COMING EVENTS
Suncoast Convention, Clearwater, Oct. 3 & 4
Ft. Lauderdale FREE FLEE, Oct. 17th.
Tampa Hamfest, Nov. 14th
SWAPFEST, Inverness Fairgrounds Nov. 7 7Am-2PM
Broward Hamfest, Dec. 12 & 13th.
Sarasota Hamfest, Jan. 16 & 17th 1982
Pinellas Park Boy's Club Hamfest, Feb. 21
Miami Hamboree, Feb. 6 & 7
Orlando Hamcation, Mar. 12, 13 & 14th.
Don't forget the 1981 SET, Oct. 17 & 18th.
Send dates in early. SEE ads elsewhere for details.

[redacted]

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VOL. 25 NO. 5 THE ALL-FLORIDA AMATEUR RADIO AMATEUR'S PUBLICATION October 1981 Price .45 cents.

SUPPORT HR 2203

By Dick Totten, WA4CFA

SUPPORT HR 2203. Malicious interference and jamming on the amateur bands has become a very serious problem. So much so that a number of Hams throughout the country have equipped mobile units with D F'ing gear and have been tracking down jammers on their own time and at their own expense.

When they find a jammer, they also find out that there is nothing they can do about him. The reason for this is that the FCC cannot leagally use any information provided from an outside source, such as interference committees made up of amateur radio operators, which means that the tremendous expertise available in the amateur ranks is actually being wasted.

Meetings by a number of California Hams with Congressman William Dannemeyer (R), 39th District California, resulted in some action. Congressman Dannemeyer felt that if all this amateur aid was available to the government free of charge and a law prevented it from being utilized, then that law should be changed.

To this end Cong. Dannemeyer has introduced HR 2203 which would amend the Communications Act of 1934 to permit the FCC to employ voluntary services for purposes of monitoring violations of the Act by amateur and citizen band operators.

An auxilliary would be formed which would have to conform to strict qualification standards with no vigilante types included. The only compensation would be the satisfaction of providing a much-needed public service to help clean up the airways.

Ray Frost, WA4TEY, who started this movement, urges all amateurs everywhere to send a QSL card or letter to your Congressman or Senator stating that YOU SUPPORT HR 2203.

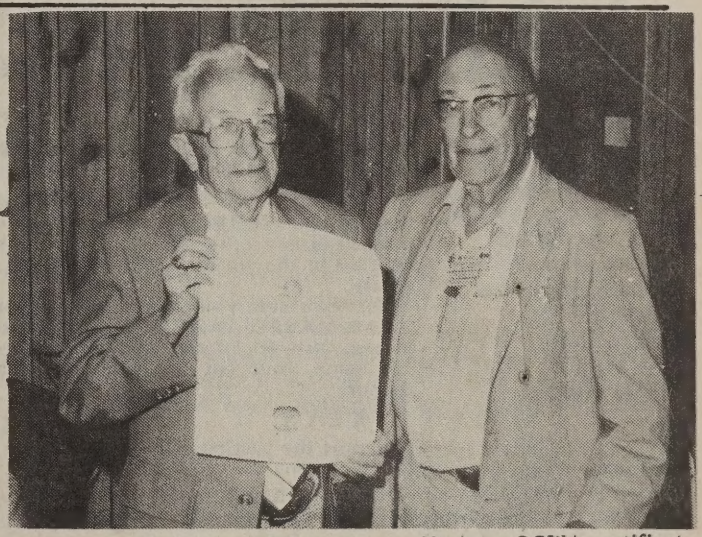
Send your cards or letters to any of the following persons:

1. Sen. Lawton Chiles
   437 Russell Senate Office Building
   Washington, DC 20510
2. Sen Paul Hawkins
   1327 Dirkson Senate Office Building
   Washington, DC 20510
3. Cong. William Lehman
   2347 Rayburn House Office Building
   Washington, DC 20515
4. Cong. Claude Pepper
   2239 Rayburn House Office Building
   Washington, DC 20515

It appears that at long last we can do something about pollution on our bands, so get those cards or letters in the mail!

DO IT NOW!!

Two zebras standing in the rain waiting to get into Noah's Ark. Says one: "It's enough to shake your faith. They would take us alphabetically!"



Jack Brazee, W4ZNQ on left receives a 60-year QCWA certificate from President of Gulf Coast Chapter No. 131, Erv Sears, W4JCJ. (Photo via K4JMH)

SAGA OF THE EXTRA MILE

By George Sand, W4EOB

What a disappointment! I arose at 4 a.m. to drive to FCC Miami, to upgrade from Advanced to Extra. Enroute my sleepy wife fired at me many supposedly representative exam questions taken from the ARRL License Manual, Ameco, other study guides. It was time wasted. I wrote for 3-1/2 hours and still failed. "They asked me practically none of that stuff!" I growled as we drove home. (I hold 2 top commercial tickets, had never failed a license exam.)

Home again, I bought more study material: Posi-Check, Bash, 73 Magazine's course. Also, a $25 book, ELECTRONIC COMMUNICATIONS (good). And for 18 consecutive weeks I attended the combination Advanced-Extra course taught by Bob Griffith, W2ZUC, at his home. I also typed up 500 small flashcards, each with an FCC-type question on one side, the answer on the other. I studied these at every opportunity. Even on the john.

When I had to make a business trip to Sarasota I phoned, on impulse, the FCC in Tampa (forgetting that it was an additional 60 mile drive). You're supposed to make Tampa reservations a week in advance. But they agreed to test me that day. Tension mounted as I drove. Traffic was heavy. Road construction, too. I'd never visited FCC Tampa. When I found it there was just no palce to park at the A.D.P. Building. Arriving late, I was in urgent need of a bathroom visit when finally I charged into a poorly ventilated room

QSY back page, Col 1

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SILENT KEYS

We are deeply sorry to report the passing of the following Amateur Radio Operators.

W4LFL	Al Bates	Miami
K4YVK	Jack Roberts	Homestead
WD4CVY	Sam Brower	Hollywood
WA4GKF	John Dulin III	Miami Springs
W4OJR es K1IQV	Thomas Higgins	St. Petersburg
K4IWR	John F. Distefano	Beverly Hill, FL
WD4HWL	Howard Griffith	Tallahassee
K4JP	Henry Nintzel	Lauder Hill
KA4KLO	Charles Ingraham	Lake Wales
WD4KPF	Virgil F. Heiken	Lawtey, FL
W4LAZ	Thomas D. Pereira	Oakland Park
WA4SYD	Charles Phaneuf Jr.	Ocala
K4WII	James G. Cotton, Sr.	Melbourne

W7KMJ ex W4WSY, Giley Gilkison, Mesa, AZ. ex-ARC Miami
W4IGG William R. Austino St. Petersburg

EX CALLS

Another list of EX-CALLS. Have you sent in yours? Editor

KC4LF	ex	W8VQN, W9USW, W5GZP
AK4Y	ex	W1LQV, K4HDK
W4FLA	ex	K8HAM, K2SHU, WR4AMP
WA4LCR	ex	WB2OLZ
W4QH	ex	8PP, 8PI, WN4RXS, WN4GBK, WA4IEZ age 85
N4EXS	ex	WD8JHC
N4FFN	ex	WD4GSF
KC4AG	ex	W4UT, W4SLA
NB4R	ex	WD4HGN
K4KQU	ex	W8JWK, W4JRZ, W9IDF, W5PKQ
KD4FG	ex	WA4WVY
KD4SE	ex	WB4VPP
K4KMA	ex	W8RBI, EP2CQ, KS6FD
KD4VN	ex	KA4QZR
N4FDP	ex	KA4EDP

TO THE EDITOR

EDITOR:

It was wonderful that over a hundred Hams took their Sunday off to be available should someone in the Keys need assistance during the recent storm.

One thing, however, with that many stations on the same frequency and with QRN as heavy as it was as the storm approached, it would be almost impossible for some one running very low power, say a watt or so, to ever break into the net should they need help.

Possibly it would help if the entire group would observe a silent period say for five minutes following the hour and the half hour.

This way a little rig, even on CW, could get through and make their needs known. It didn't happen this time but it could have if we had had a real storm.

73,
Bob Cain, W4BQW
Tavernier, FL 33070

* * *

Gentlemen:

The operators of the Zephyrhills Area Amateur Radio Club will hold a worldwide Amateur Radio Commemorative Operations of the 1981 World Parachute Meet in Zephyrhills, FL. on 10 October 1981.

Five (5) operating positions will be utilized during the operation which will begin at 1000z and end at 2200z on 10 October 1981, one day only.

SSB operations will be in the lower end of the general portion of the band on 10-15-20-40 MTRS. Novice operations will be on 21150 Mhz. The call to be used will be WB4AOG.

Commemorative Certificates will be issued upon QSL request to the first 1500 contacts. A 4x9-1/2 SASE will be required.

Felix Karpinski
President, ZAARC

Dear Mr. Clark,

Thank you for contacting me to share your thoughts. I appreciate hearing from you and having the benefit of your views.

During considering of the Omnibus Reconciliation bill, an attempt was made to include amateur radio-related legislation as part of the Reconciliation package. By adding this legislation to the Reconciliation bill, the normal process of committee hearings and consideration would have been bypassed. There was considerable concern over this effort and the final Budget Reconciliation bill signed by the President on August 13th, did not contain any provisions dealing with amateur radio licensing. Amateur radio legislation, S. 929 and H.R. 2203, is still in committee in Congress and it's uncertain at this point when any action may occur. You can be sure, though, that I will keep your particular views in mind should this legislation be considered by the full Senate.

Again, I appreciate your getting in touch with me on this important issue and hope you will contact me on other subjects of interest or concern to you.

Most sincerely,
Lawton Chiles
United States Senate
Washington, DC 20510

(EDITOR NOTE: Take out a few minutes and express your views to your Senator. They DO give replies!)

Dear Andy,

Just a few lines to let you know that 'Hamcation 82' is starting to come together. The dates are as they appeared in the 81 National Convention Program, March 12, 13, 14, 1982.

We would appreciate you placing our event and dates in the 'Coming Events' Box of 'Skip'.

I have gone over attendance records of past Hamcations and concluded that your personal support of our conventions and the tremendous 'pull'' power of 'Skip' advertising has contributed greatly to the success of our events here in Central Florida.

We will begin our display advertising of 'Hamcation 82' in 'Skip's' November issue. You can plan now for 1/2 pages in Nov. and Dec., with full pages for Jan., Feb., & Mar.

Again, many thanks to you and the staff at Florida Skip.

Monty, K4VFV
Hamcation Co-Chairman
R. Montgomery
P.O. Box 27
Oakland, FL 32760

Editor:

John Ackley, KP2A, recently of Desecheo fame and many previous DX-peditions, will be main speaker at the DX Forum and dinner in Miami next Feb. 6th. This is managed by the South Florida DX Club for the Tropical Hamboree. In addition, John will talk about his Caribbean emergency operations, especially Dominica at the Flagler Dog Track, site at the Tropical Hamboree itself.

South Florida DX Club is looking for additional speakers. If you plan to be there contact WB4OSN, W4AAV or W4WJ. SFDX wants to run a semmar for beginning DXers at the Hamboree. We are looking for wise old DXers erudit in propagation, procedure, antennas, etc. 73

Ham W4ZR

Letters QSY to page 24

OUTSIDE THE UNITED STATES
By Coates, PY8ZLC/K4LC

Dear Andy:

If you can use the enclosed, do so and feel free to edit.

These thoughts occurred to me after the recent ARRL DX CW contest. And I find that some of the things I have read years ago about making contacts in a contest are not really true.

Living in Zone 13 has made me very lucky because I have won two IARU contest, the secret is not too much competition. Won ARRL CW contest last year for single band in South America and have scored more than twice as many this year; may win again. It sure was a lot of work to go shoot down all my competitors antennas, and expensive too.

Say hello to Scott Magness if you see him. He has bought a house in Ocala and will move there as soon as he sells his house in Miami Springs.

73,
and keep up the good work,
Fred Coates, PY8ZLC/K4LC

Bashful Perverts on Field Day. Left to right: N4BP, XYL of K4GNP, N4UM. 100% solar power on QRP made 999 QSOs for 7855 QSO points, plus 500 bonus points for total 8355 pts. Oprs: N4BP & N4UM.

If any of you have ever operated outside the United States, you must be aware of what a hole, some of the American hams can poke into the RF spectrum. My receiving equipment cannot cope with these giant 2000 watt PEP signals, fed into a multi-element antenna with an effective radiated power, up around 20 kilowatts PEP. Selectively, of 6 and 60 db down at 2 and 6 kiloherts respectively, won't hack it. And this assumes a clean transmitted signal where third order products and spurious frequencies meet the new FCC requirements. Not all transmissions are this pure and add to this a speech processor, and this should give a good idea of what we have to put up with.

Now you have an inkling of why the foreign ham prefers to stay outside the American spectrum and yet, there are those Americans and others who clamor for more space. What for? To tear more holes into ham bands?

The American ham is affluent — he hasn't caught on yet that not everyone can afford the equipment or that other governments limit power to a few hundred watts, depending on the operators class of license. Think about it. This certainly puts the various country's of the world on an unequal footing.

During ARRL, IARU or CQWW contests, the foreign ham must operate in the American section of the ham bands.

Being in the fortunate position (?) of being at the other end of pile ups, let me tell you what gets my attention during a contest.

. Get your call in before the pack and at high speed, or use slow speed, the point being, that speeds other than what the pack are using stand out, other things such as signal strength being equal. If you are QRP, say so at the end of the call and if that is all I may hear and being somewhat human, even in a contest, most people will take up for the little guy and the signal QRP alone may get you a contact right now. Don't pick the same exact frequency which everyone else is using, unless you know your signal is head and shoulders above every elses — get to the lower side a few hundred or less hertz — you'll stand out from the crowd. I find that using a tunable filter, when trying to select one station from many on a call, is not of much use, but is of great use when he is giving you his contact information, as you and he are not the only users of this spot frequency. And you'd be amazed how many stations can operate within a very limited frequency. Fooling around with a filter after a QRZ will lose a contact almost every time. One ham jumped all over me because I was on his frequency he had been using for the last hour. Well, so had I been there, only he decided to turn his beam in my direction and I knocked him out. Rather than waste time with him, I picked another frequency. If I had to move every time I was on someone elses frequency, I would never have time to operate. I feel that this is part of the contest and usually stick to one frequency until the other guy or guys can't pu up with me any more. I call that friendly competition.

Again, speaking of filters, the best type is the one built in between your ears. Its' not true that there is nothing but space between your ears! It is easy to operate, has no controls, is noiseless, has no ringing, that is, most of the time, has no maintenance problems, rarely gets out of whack and has an infinite variability of notch and peak combinations. It also has a built in recorder and computer with instant recall, but don't go shopping for one — it can't be bought. Improves with use and age, up to a point that is.

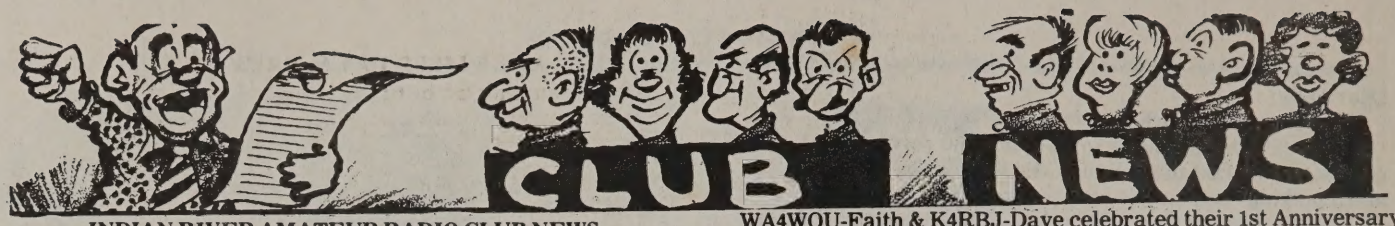
Let me voice a few gripes. Some hams make long call, so long, that I can make two contacts while he calls. And others send 73, CUL, GL ES DX. Others make 3 x 3 calls. Every dot is a baud that could have been used towards another contact. Whereas you may be in the contest for sociability, there are those who spend a serious effort and you are stealing his time from him. If he spends 30 hours in the contest, it will take hom from 60 to 90 hours to do the paper work. So, save those bauds until you have enough for another contact.

Haste makes waste. Put your code speed at one which is comfortable. Again, a mistake can cost you a hundred bauds. I set my keyer at 25 WPM, figuring that the general licensed amateur can copy, as he will have heard my call several times probably, and in receiving his contest message, composed of numbers, each number counts for 2 letters, or in other words, is half-speed and this is one-half word less than which he got his license at. Some hams with programable keyers set them at 40 WPM and can't copy 15 and with others, the speed may be set at 15 WPM and the copy spped may be over 40 WPM, the point being the copy speed of the sender cannot be judged by the sending speed. So, "Do your own thing", by sending at your own errorless speed and you'll be doing the best you can, besides building up more reserve bauds.

Another gripe is at the FCC which has run out of call letters!

Many times in the latest ARRL contest, I got a start as I though I had contacted Sikkim, Tibet, Bhutan and the Islands of Baker, Caroline, Marians, Markus and others, as these are rare for me, only to realize here was a genius at work, in assigning call letters already assigned. My momentary elation deflated like a punctured balloon. And a call such as AE5E, comes so quickly that I am waiting for the rest of it when I realize thats it. It registered in my subliminal consciousness. Instant recall from built-in computer.

One last gripe — take it easy on us poor guys operating overseas. In some cases, English was learned only through ham radio and this limits a person considerable. I heard one American speak his name, saying that his name was Fred, thats Frank, Roger, Edward, Dennis and Fred. And the bewildered person at the other end returns asking if his handle was Joe. Do you blame him? No phony phonetics, please.



INDIAN RIVER AMATEUR RADIO CLUB NEWS

By Bill Willmot, K4TF

In spite of summer vacations and the summer heat, the IRARC August meeting had 51 members and guests in attendance. The speaker for the meeting was Mr. Angelo Taiani, Frequency Manager for the Kennedy Space Center. Mr. Taiani gave a most interesting and informative talk on Communications Satellites and followed it up with a NASA film of the Space Shuttle's first voyage of Columbia. A delightful film. Werner Grewe, N4DYE, was voted in as a new member. Omar Bowley, KA3SNT, gave a short presentation on possibilities for a future Club operation from the Solar Center at Cape Canaveral. Omar and Paul Means, N4ADG, will look into the subject further.

Dick McKlveen, W4YWA, volunteered to serve as Chairman for a Club By-Laws Review Committee and Bill Eppley, W2SDB, agreed to serve on this committee. Mal Massie, WB4HDX, reported that the Club's Novice Course is all set to go and he requested members to spread the word about the course. Andy Anderson, W4PRK, had a few choice and well-chosen words of wisdom concerning future Field Day operations.

John Millhouse, WD4NQK, gave an update on Civil Defense Communications and operator assignments in the County. Dave Zielke, KA4SLI, won the door prize, a pocket calculator. The meeting ended with coffee and donuts for all.

ST. PETERSBURG AMATEUR RADIO CLUB

By Cathy Soehl, W4BAV/ARNS

W4BUB-Ed had a "ball" on vacation, talking to hams in N.C., Ga., Va., etc. Stopped at a MacDonalds & was surprised when a ham approached him & said he was one that he had worked on his mobile that day. Needless to say, a "yacking" session proceeded.

W4GPL-Rex claims he gets 41 to 46 miles per gal. with his new Volks Rabbit. Question is whether it is gas or diesel? Hi!

WB4PIB-Walter & YF-Ruth are enjoying their new color TV, with a Remote Control, enabling them to cut off commercials & change channels without getting out of their chair. Congrats.

K4CGB-Jim new voice heard on SPARC Repeater. Welcome, Jim. Don't YOU forget to check in every night 6:30 P.M., SPARC Net.

W4TZW-Thor made an appeal for blood replacement at the St. Anthony's Hospital, where his Brother-in-Law was a patient. Thor later thanked everyone & reported his Brother-in-Law coming along O.K.

K5IHH-Bob became a year older on Aug. 26th & all on the Net wished him "Happy Birthday", as he sat enjoying his birthday cake.

AA4MF-Cappy talked to several, on the SPARC Repeater, as he was coming thru Tampa, returning from an extended vacation. Welcome home, Cappy, we missed you.

Vacations: K4EPH-Mac returned July 31st too late to check in Net . . . WD4PUV-Wes went on camping trip, no rain (lucky) & enjoyed . . . WA4RLV-Hank back from fishing trip, wonder if the big one got away . . . WB4FVN-Nelli back from 3-wk. vacation & getting back into the "groove". Welcome back to y'all!

FLORIDORA YLS

By Cathy Soehl, W4BAV/ARNS

K4JNC-Esther is enjoying the modernization K4JNB-John is doing to their home; ceiling fans in guest room & kitchen, plus a microwave oven to save time & enjoy the cool air. Hi!

WB4NYN-Micky back from her visit with her daughter & enjoying her driving her newly painted car, done while away.

WB4FAJ-Patti passed her Extra Class License. Congrats! My apologies, when reporting Patti's marriage some months ago, erred in reporting her call changed to WA4MMN; sorry, Patti.

WA4WOU-Faith & K4RBJ-Dave celebrated their 1st Anniversary Sept. 6th at the Melbourne Hamfest. Many more happy ones.

W1EMV-Kayla Bloom Hale, former Floridora No. 217, & OM-Doc moved to Costa Rica quite a while ago. We regret to report Kala joined the Silent Keys, July 17th; OM-Doc, who is in a wheelchair due to a stroke, was flown to Walter Reed Hospital, in Washington, D.C. Our heartfelt sympathy, Doc.

W4BAV-Cathy was surprised, when luncheoning at the Sea Garden Rest., to see on the menu a "Floridora Cooler", which naturally she had to try. Delicious; ingredients: gin, lime, sugar & grenadine, Collins Style.

WA4WOU-Faith doing a fine job getting out Floridora Newsletters, with the help of WB4FVN-Nellie, in addition to their respective jobs as President, Treasurer, plus their daily demands of employment & family. Thanks, Gals, know members are happy to receive the news. Keep up the good work!

NORTH FLORDIA DX ASSOCIATION

By Pres Graham, W4FDA

A regular meeting of NFDXA was held on August 1, 1981, at the QTH of Ron Blake, N4KE, on Lake Asbury, Florida. Thirteen members and several guests were present. Bernie Welch, W8IMZ, CQ Magazine WPX Contest Director, gave a report on CQ DX Contest rules, noting that the WPX is now the 2nd largest contest, larger than ARRL's. By unanimous vote, Bernie was made an honorary member of NFDXA.

Member Ray Donovan W0AX reported on his upcoming CE0X (San Felix) DXpedition. Operation should be three stations, 24 hours a day for 10 to 14 days. All bands phone and CW (except 160). Approximate start date is 16 September 1981. Operation will be split frequency and no lists will be taken. W0AX plans to go to Crozet next year — no matter what you have heard.

New officers for the coming year are: President, WB4EYX; Vice-President, AJ2E; Secretary-Treasurer, W4FDA.

Next regular meeting will be at the QTH of member WA4DRU in Melbourne on September 12, 1981.

PALM BEACH DX ASSOCIATION

By Jimminy Cricket, W4OO

BIG GUNS AND LITTLE PISTOLS seeking 9M2HD ducats should do so via the N4FFN route; Lou will be handling Hugh's Kuala Lumpur paperwork. (If you don't have a 1983 call-book you can find Lou under "WD4GSF" on any Post Office wall!!). September brought, after a ten-week delay, KA4TXH's new label; hereinafter he'll respond only to N4 "Florida's Jolly Lover".

RETURNING TO THE BATTLE after aeons of inactivity, Norm (W4RTX) visited Harvey's Lauderdale bazaar and departed enriched by a Bencher paddle and (God Forbid!) two gallons of linear to supplement the tri-bander smuggled past his OW last summer. A long wire antenna, an even-longer ground and one of those sly impedance-confusing tuners does the low-bands duty for WB4SHB who, living in an industrial area, has to hide his sky-wires in with those of FPL and the cable TV lads. "Beware of Mother Nature, even if she is smiling" warns KD4HO who received a small jolt of "natural energy" out of the bright blue yonder. Damage was minimal but education was instantaneous — Ken is now a believer! Continued close, careful observation of the 6 Meter band (plus a modicum of luck) netted W4OO countries No. 39 and No. 40 in the never-ending quest for that 7th band DXCC whilst two more certificates attest to summer supremecy in ARRL and SMIRK VHF contests.

STEVE (KA4NYW) finished the new Heathkit and not a moment too soon — his pop repossessed the Kenwoods for an upcoming Caribbean junket. Don won the Jamaican holiday offer by those 6Y5 gents at Miami's last Hamboree and cashes the chit this month. Prior arrangements will have him signing WD4JSX/6Y5 during the holiday.

CLUB QSY PAGE 8.

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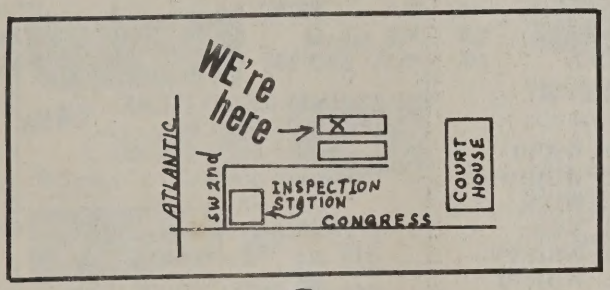

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MORE FIELD DAY SCORES - 1981

Here is another list of FD scores as they arrived. Many thanks.

New Port Richey, Gulf Coast ARC	—	1253 contacts
Ft. Walton Beach, Playground ARC	—	2476 points
So. Pasco County, Group effort	—	2635 points
Ft. Myers, Ft. Myers ARC	—	3516 points
W. Palm Beach, P.B. DX Assn.	—	6602 points
Tampa, Tampa ARC	—	5046 points
Gainesville, Hogtown Hams	—	13,700 points
Ft. Lauderdale, Bashful Perverts	—	8355 points
Dunellon, Silver Springs RC	—	5612 points
Panama City, St. Andrews Bay Contesters	—	2500 points

NEW VHF/UHF OPERATING AWARDS ANNOUNCED BY THE CENTRAL STATES VHF SOCIETY

Sioux Falls, SD — At the 1981 annual meeting of the Central States VHF Society, three awards were announced to promote operation above 144 MHz. For many years, an adequate awards system for the high frequency bands and six meters has existed. However, long distance communication above 144 MHz has been and still is a challenge to achieve. In some isolated sections of the country, being able to work more than 5 or 10 other stations is a real feat. With this in mind, CSVHF decided to sponsor a system of three awards to reward the successful VHF/UHF amateur.

1. The VHF/UHF Century Club (VUCC) simply requires contacts with 100 different amateur stations on frequencies above 144 MHz. Optional endorsements for QSOing additional stations in increments of 25 (e.g. 125, 150, etc.) or for making all contacts during a single calendar year are available. This award is within reach of most if not all Florida VHF/UHV operators, but no contacts may be made through a repeater or any other power relay method. (Satellite QSOs do not count but QSOs utilizing Earth Moon Earth reflection (EME) do.)

2. The 1K Coverage Award (1KCA) requires contacts of sufficient number and distance such that the sum of the QSO points for all contacts during any each of two consecutive calendar months is equal to or greater than 1000.

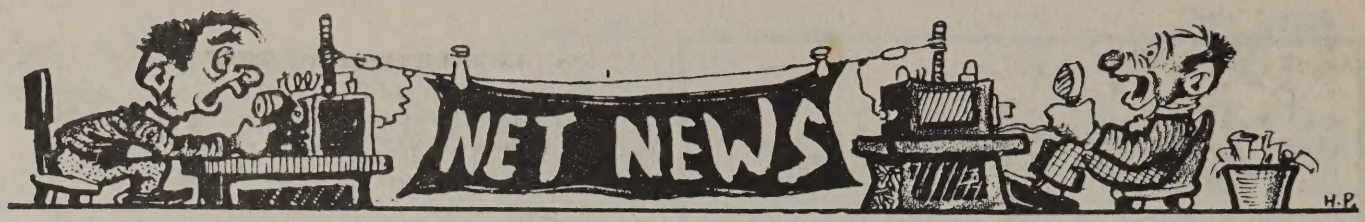
3. The Worked Hundred Grids (WHG) awrad requires QSOs with station in 100 different 1 degree by 1 degree geographic grids.

Both the 1KCA and WHG awards require that stations know their Latitude & Longitude location and the location used by the other operators. The October 1981 issue of "Florida Skip" will fully explain the mechanics of the 1KCA and WHG awards and tell how to determine your Latitude/Longitude position.

To qualify for the CSVHF awards, contact a local member of the CSVHF: K1FJM/4, WB4KGY (W. Palm Beach), or WA4LYS (Jacksonville) to certify the accuracy of a completed application form. All preliminary paperwork will be completed at the local level: no logs or QSL cards will have to be sent away. At the present time, Peter S. Heins, K1FJM/4, 19570 SW 264 St., Hstd., FL 33031, (305) 248-3216, has the only Florida supply of forms.

Good luck with 2 meter, 220 MHz, 70 CM, 1296 MHz, and up DXing and qualify for the CSVHF awards soon.

2nd BIG SUN SWAPFEST
INVERNESS FAIRGROUNDS
Saturday, November 7, 1981
7 A.M. - 2 P.M.



NEW NET DIRECTORY

The new edition of the ARRL Net Directory is now available Listing over 1000 public service nets by location and frequency, this newly revised booklet is also packed with information on all the basics of traffic handling and net operation. You may obtain a copy by sending a self addressed nine by twelve inch envelope with sixty nine cents U.S. postage to ARRL Net Directory, 225 Main Street, Newington, CT 06111 AR. (ARRL OB 85)

THE GATOR NET

By Walt KF4U

The Gator Net meets daily at 1230z in Summer (8:30 A.M. local time) on 7.090 MHz. All are welcome.

The net needs additional Net Control Stations, having only four regulars at this time. Art WB4SNX advises he is making the Hendersonville, NC area his permanent QTH. Stations going QNT for vacations or a rest during August were Hal W3IDO, CArl W4NFK and George K4JI. Traffic and check-ins were down during August. High QNI honors went to Mae W3CUL, Walt KF4U with 31 followed by Cy W4DVO, Harris WA4JDH and Charlie W4SIZ with 30 and Andy W4IYT and Charlie WA4EYU with 29 each. George K4TH and Charlie W4SIZ were very helpful taking traffic to other nets. Gator Net has good coverage for traffic to Jacksonville, Miami, Clearwater, Orlando, Fort Walton Beach, Daytona and other parts of Florida. We can also take out of state traffic. 73 and ARF!

FLORIDA PHONE TRAFFIC NET

By Bill, WB4WYG

Guess it must be the time of the year — well anyhow traffic is scarce and check ins are also down from the regular level. Vacations have taken out some of the regulars and many, many thanks to Dan, WB4TZR and Fred, WB4MPJ who have come forward and picked up the NCS spot on very short notice. Would also like to welcome Walt, WA4QXT of Casselberry who is just starting as NCS on traffic nets.

Our usual faithful stations showed up and helped getting traffic moving. Here is how they stack up.

100% — W4BKC, K4BLM, W4DDW, WA4EIC, WA4EYU, W4FOE, WD4IIO, WA4JDH, WA4QXT, K4SJA, W4SIZ, WB4TZR.

95% — K4KIC, W4BCZ, WB4MPJ.

90% — WB4WYG.

85% — WB4WMR.

80% — WD4AWN, WD4COL.

There you go — 20 stations or 45% of roster and this at 7 A.M. When some others are just shutting off the alarm clock.

Garry, WA4HHC just got back with the net and then Blooey — his rig does tricks and has to go to the shop. Hope it is not for too long. Miss Evelyn, W4WYR has just returned from an extended vacation that had its hi spots and certainly hit rock bottom when the Atlas was ripped off. As of this writing there is good news — she has been reappointed for another two years as Vice Director. The very best of good luck and we do all thank you for your sincere and dedicated work.

The Melbourne Hamfest is now history, but we sure had a good time meeting the gang and having the annual meeting at Ho-Jo. Join us any morning you can at 7 A.M. We meet on or about 3940 Khz. every day and it's known as the friendly Florida Phone Traffic Net — So start your Ham Radio day the FPTN wav.

FLORIDA MIDDAY TRAFFIC NET

By Al Suhr, WB4AID

The Florida Midday Traffic Net meets daily on 7247 KHz. at 1600z, and the warm-up begins at 1500z just for the fun on it.

On Sunday, August 16th, Tropical Storm Dennis was so undecided that it was necessary to call FMTN into Special Session at 1229z. The FMTN Manager, WB4AID, began the call-up on 7247 KHz. and then placed calls on Two Meters until, in thirty minutes, more than 20 stations had answered his call or responded to the two meter request. The theory being that people in the Florida Keys would need benefit of our communications link — the second station to respond to FMTN effort (in 4 minutes) was KB4YO, Benito of Tavernier, Fla. There were to be ten stations check in from the Florida Keys. This group was treated like they were the only source of communication in their area and we made sure, by frequent inquiries, that each was present so their area could be properly served should the need arise.

Net Control Stations were WB4AID, WD4CRR, W4ESH, AA4WJ, WB4FVV, WD4MSU, AF4R, W4PPC and manned FMTN until 5 p.m. that same day. More than 450 stations checked into FMTN during that 8-1/2 hour tour. The frequency was respected, for the most part, except for an occasional problem which was always resolved with understanding by those not realizing they were interfering. The EC of Lake County, NQ4P and his XYL KC4PQ provided accurate copy of weather announcements and shortly moved their operation to the Wildwood CD with N4EKF where FMTN was constantly kept informed on all weather matters. WD4OCN, Jack. COMM Officer of Wildwood CD stood by at his home, should a back-up be needed.

Of the Official Florida ARRL family, those present and in the State where there at one time or another. Six EC's along with The SEC of Southern Florida, AA4WJ, Bill Johnbson, the SCM of Northern Florida nad the SCM of Southern Florida were out of the State during the operation and missed the fun. FMTN thanks you all for your presence.

QFNS

By Gus Kein, KA4LNA

A second month has passed since my takeover as manager of

TRAFFIC HOUNDS

By K4SCL

NET	QNI	AVG.	QTC	AVG.	Sessions	Manager
FMTN	1153	37.2	686	22.2	31	WB4AID
QFN	945	15.2	518	8.4	62	N4EC
Gator	387	12.5	397	12.8	31	KF4U
FPTN	918	2.96	230	7.8	31	WB4WYG
FAST	643	10.4	205	3.3	62	WB4FVV
TPTN	472	15.2	163	5.2	31	KA4LNA
PEN	241	7.5	125	3.9	32	W4GPL
NFPN	843	27.2	104	3.4	31	WN4IIV
SWFTN	676	26.0	100	3.8	26	KC4OT
QFNS	222	7.1	79	2.5	30	KA4LNA
FPON	455	14.7	76	2.5	31	WB4GCK
SPAR	991	32.0	66	2.1	31	K5IHH
FMSN	370	12.0	62	2.0	31	WB4FVV
VEN	319	10.2	43	1.3	31	N4EDH
SBEN	112	28.0	24	6.0	4	KB40W
MEN	122	30.5	12	3.0	4	WB4PIB
DEN	146	29.2	6	1.2	5	KA4GUS

TOP TWENTY TRAFFICERS

By K4SCL & N4UF

1.	W3CUL	2852	11.	WA4EYU	198
2.	WD4HIF	824	12.	W4JL	197
3.	W3VR	635	13.	N4EDH	196
4.	N4PL	563	14.	K4ZK	195
5.	WB4FVV	511	15.	WD4IIO	178
6.	WD4COL	443	16.	WB4AID	161
7.	K4SCL	282	17.	NC4H	157
8.	WA4PFK	260	18.	W4NFK	152
9.	W4SIZ	242	19.	K4EUK	150
10.	W4GPL	206	20.	WA4QXT	149

Net QSY page 11

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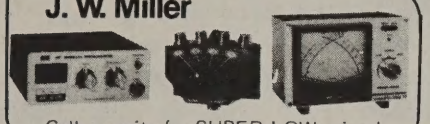

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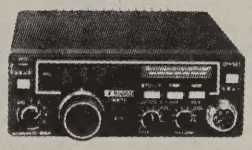

IC-25A

ICOM's small size (only 5½" wide) 2 meter FM transceiver. Featuring 25 W. out, Priority channel, scanning, 5 memories. Touchtone® mic standard at no extra cost.

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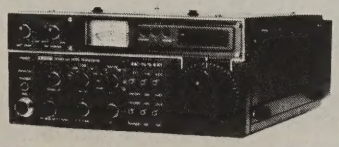
COMING SOON - ICOM IC-3AT

IC-251A

2 meter multimode base station. Operates from AC or 12 VDC. FM, SSB, CW, 10 W., squelch on SSB, CW sidetone 3 memories, scanning.

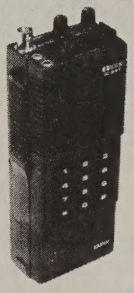
IC-720A

ICOM's top of the line - 9 band HF transceiver, general coverage receiver - 0.1 MHz to 30MHz, 12 VDC operation (compatible with PS15 power supply). 2 VFO's builtin.



IC-551D

6 meter synthesized, 3 memories, scanning, squelch on SSB, 80W, 12 VDC operation. (Compatible with PS20 power supply). VOX and passband tuning standard. FM optional. (IC-551, 10W with internal AC supply also available, economically priced, FM, VOX, PBT optional.)



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TAMPA AMATEUR RADIO CLUB, INC.

By Cy Connolly, W4DVO

Col. Frank Ziegler, K4EUK, honored by QCWA, at Clearwater, with 50 Year AWard, and witnessed by "IRON HANDS", Al & Mae Burke, W3VR/W3CUL. FB OM. Delbert, WD4HHH, and K4EUK, represented, TARC, at special meeting, by Civil Defense chaired by Larry, K4KX. Larry is Communications Coordinator Hillsborough Co., Fire & Disaster. It is planned to have 2 meter coverage for entire county. Stations needed in NW and NE as well as SE of county, on fringe areab. If interested call Larry Gisbert, Tel. Tampa, 223-1611.

Plans being formulated for October 17/18, when S.E.T. will be held. Bill Johnson, AA4WJ, is E.C. for Hillsborough County. W4DUG may go full emergency power, portable, for SET program.

K4GT, "Pappy" Frank Shannon, had his 80th birthday, "Long Live the King" 2 & 6 meters, that it! Bill Smith, WD4HHA, returned from flying trip with XYL, to KL 7 land! Ron, KQ4K, on trip to Canada in camper, but missed skeds with locals. What Hopponed Ron? Take care and 73.

NORTHERN FLORIDA NEWS

By Billy Williams, N4UF
SCM Northern Florida

I enjoyed a visit to the Tallahassee Amateur Radio Soc. in Sept. A nice group which meets on the first Thursday of each month at Leon Co. Red. Cross HQ. KC4N is teaching a novice class in Tal. The TARS plans to donate a new ceiling fan to Red Cross soon and install it. K4MZA has a repeater on 147.63/.03 at 460 above sea level. K4AQQ is upgrading his station and tower. New editors of Keyed Up of the Lake Monroe ARS are Dennis Phillips, KA4RUL and Jim Greer, WD4BEF. Ed Hall, N4BHL, is the ringleader of the "Turkey Group" in Central Fla. The Pensacola Ham Picnic/Swapfest is set for November 1st. The Five Flags ARA of Pensacola is updating its club station at Red Cross HQ. KB4AR now has his color computer hooked up to a slow scan system. In Panama City, the PCARC is planning for a new series of novice classes.

The Jacksonville RANGE Assn. and NOFARS will combine to throw a Christmas Banquet on Thursday, Dec. 10th at the SCL Wilmington Room. All hams are invited and KA4FZK can give more details. The RANGE "73" and "79" tapes are back on line and KA4FGR is the new RANGE Membership Chairman.

The new Tech Committee for the Gulf Coast ARC (New Port Richey) includes KC4JL (Trustee); W4OHU, K4JDL, WB8ONY, AA4FG, K2BOQ, KT4Q and W2LRJ. Sorry to hear that W4BLQ is a silent key. KA8KVU is now a technician.

Mel, N4DZT has been tapped as Chairman of the 1982 Ft. Walton Beach Swapfest. N4DAS has new ham license classes underway in FWB as well. The WUFT TV tower in Gainesville is moving along and the 22/82 Gvl rptr should be back at full strength soon. New appointments include Ed Ingersoll, WA4AXJ as Asst. SCM; Earle Jones, NF4O as EC - Bradford Co. and KW4F Jerry Fischer as EC - Alachua County. KC4UF is new NCS on Sunday evening KA4FDF is now KD4TE. Jim, WD8JXZ is now Public Relations Chairman for the Hernando Co. ARA in Brooksville. The following stations achieved the Public Service Honor Roll (PSHR) during August: WD4HIF, N4EDH, AA4FG, WA4QXT, N4PL, WA4EYU, N4BZH, W4BSP, N4UF. Brass Pounders League cards were earned by WD4HIF, N4PL and N4EDH. All stations in the Northern Florida Section are urged to report their formal message Traffic Totals monthly to me for listing in QST. Each report, no matter how small, is compiled into a statistical survey by ARRL to document our public service activity. Reports should be sent in by the fifth of the following month. Totals received after the fifth are welcome though and are posted in the next month's report to HQ. A few openings for EC, ORS, OES, OVS, OBS appointments exist. If you are an active League member and use good operating procedures, let me know if you are interested in an appointment.

SARASOTA AMATEUR RADIO ASSOCIATION, INC.

By O.W. Lander, N4FCF, President

Our meeting was held on August 18 at Sarasota Jr. High School at 8:00 P.M. Brochures from Civil Defense and Red Cross were given out with information on Hurricanes. One of our members, Lou Boehlein, N4EWR, owns a printing shop and has printed Tracking Maps with vital facts regarding hurricanes. These were also available to any one who wanted to have a copy.

AL ZETEKOFF, W4AL of the Everglades QCWA Chapter receives his 50-Year Award from Dave Talley, W2PF (right.) QCWA Founder, Nat Burnett K4OL received his 65-year Award also, but -- sorry no photo. Congrats gents. Hang in there. (Photo Lou Lchreiner & tks.)

We are holding open discussions from the floor in lieu of a formal meeting for a few months. This meeting was "Ideas to Help Your Neighbor Amateur Operator." Many, many ideas were given regarding pointers on QSL cards, antennaes, etc. All membership enjoyed this and hoped to have more of this type meeting in the future. UPCOMING IMPORTANT PLANS: SARASOTA ANNUAL HAMFEST, January, 1982. Keep informed of this important weekend!

If you are in the Sarasota area, please feel free to join us at our meetings, we are always happy to meet new amateurs!!

THE NAVY CLUB

By Larry Pierce, Sec'y./Treas., W4PGD

The Navy Club meets 9 A.M. each morning Monday thru Friday on 7260 MHz. On 30 August 1981 at 10:35 A.M. we were saddened with the loss of our Shipmate W4LFL (Al Little Fat Lulu) after he had tried to fight off a long illness. He had been very active on the Navy Club. The Club will miss him very much.

Our Commander K4HGY (Jim Knight) received his temp. Navy MARS call NNN0SZS/T. Congrats Jim. Word was received from our Chaplin KC4MX (Penn) he is enjoying his summer in Lewiston, MI. He stated he will be back in Florida in a couple of months.

Good to have W4BBZ (Fred) back with us again after being AWOL. KC4MP (The Mighty Penguin) is back with us again after a long visit with his son (WD4IZU). WA4VAL and K4BGN continue to be very helpful as our relay stations to all the northern states, K9BNB and KA8OVI have been reporting by relay. W4LPF in Virginia keeps us posted on all the Naval Affairs in DC.

Our Marine Guard N4FDP ex KA4EDP says the Marines have landed and Palatka is the bass capital of the world, however K4UGC (Dry Lake Bill) at times disagrees. WB4SNX (Art Johnson) was selected as Amateur Radioman of the month. Congrats. W4DMD (Charlie) is back again after a long stay in the sick bay. The Navy Club will assist any Amateur Radiomen at any time, feel free to check in.

P O E M (YOUR DIET)

DIETING IS EASY YOU SEE
Eat a little less, simple as can be.
Yake half of what you had before.
RESIST, the temptation of asking for more.
Got to start the diet a winner
Think I'll start after dinner
I know that dieting will make me grumpy
At least, I wouldn't be this lumpy.
If you want to stick to your diet,
Use my way when you try it. (SPARC - Gap, St. Pete.)

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FLORIDA SKIP DIRECTORY

List your club, net or group here for only $18.00 a year. Limit 3 lines only. Ad $2.00 for each additional line AND for any changes made to present listing. Editor, Box 501, Miami Springs Fl 33166

Once upon a time there was a lion so ferocious that he ate a bull. He felt so great that he roared. A hunter heard him roar and shot him. MORAL: If you are full of bull, keep your mouth shut.

AMERICA RADIO CLUB. WD4NLG/R 146.13/146.73. Bilingual Rptr. Net meets each Tues. 8PM. Club meets 1st Wed. of month. Emergency 14,280MHz - 7160kHz. (Back-up Rptr 144.75/145.35) Mail: P. O. Box 651004, Miami, FL 33165

AREC REPEATER GROUP, Inc. 07-67, WA4ARE/R. Box 1139, West Palm Beach, FL 33402. Breakfast 10AM every Sunday at Clock Restaurant, North Dixie, Lake Worth, FL. All amateurs welcome.

CONFESSION OF OUR FAULTS IS THE NEXT BEST THING TO INNOCENCE.

BREVARD REPEATER ASSN. WR4AFI, 28/88, Cocoa. 146.43/147.03 Cocoa Bch. Meets 1st Mon. 1930E 1st Nat. Bank Merritt Isl. SR3 & 520. c/o Jill Lilles KA4EQM, 1102 Picasso Ave. Palm Bay, FL 32905.

BROWARD AMATEUR RADIO CLUB, Inc.W4AB & KB4XE/R 146.31/91, meets 2nd Fri. 745PM at Red Cross Building, Ft. Lauderdale. Mail: D. J. Algeri WA2MXI, 5603 Lagoon Dr., Ft. Lauderdale, FL33312. If you can't make the meetings, check in on our repeaters anytime ! ! ! !

CLEARWATER AMATEUR RADIO SOCIETY WB4BZF, meets 2nd Thursday ea. month 730PM, upper Pinellas Co. Red Cross, 624 Court St., Clearwater, FL Mail: Box 7388, Clearwater, FL 33578. All welcome.

COLLIER COUNTY AMATEUR RADIO CLUB. Meets 730PM, 3rd Tues. at Coast Federal Savings & Loan, 2400 N. Tamiami Trail. Mail: Jack Mischung, 5477 Carlton St., Naples, FL 33942.

DADE RADIO CLUB, Inc. W4NVU. Meets 1st & 3rd Tues. Museum of Science, 8PM, 3280 S. Miami Ave., Miami. Mail: P.O. Box 350045 Riverside Station, Miami, FL 33135.

A caterpiller met a friend at her psychiatrist's office: "Are you coming or going?" -- "If I knew that I wouldn't be here."

EVERGLADES AMATEUR RADIO CLUB, W4SVI/R 146.235/835.We meet 2nd Fri. ea. month 8PM, Dade Co. Agricultural Bldg., 18710 SW 288 St., Biscayne Dr. at Redland Rd., Homestead, FL 33030. Welcome.

FELLOWSHIP AMATEUR RADIO CLUB: Meets3rd Tue. Osteopathic Hospital, 1750 NE 167th St., No. Miami Beach 730PM WA4QLQ/R 147.81/147.21. Mail: Box 680284, Miami, FL 33168. All welcome.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL, Inc. P. O. Box 157, Clearwater, FL 33517.

Once upon a time there was a mama bear, and a papa bear, and a baby bear by a previous marriage.

FLORIDORA YL'S W4FE. Pres Faith Bierbaum WA4WOU, 3058 Hillsdale Ave. SW, Largo, FL 33540. All FL YLs & XYLs are invited to join. Net: Tues. 9AM, 3933 kHz. (See Box ad for officers.)

FORT MYERS AMATEUR RADIO CLUB. Meet 1st Wed. ea month 730PM, 1st Fed. & Savings, 121 Pomdella Rd. SR78A, North Ft. Myers. Mail: Cash Luzny W4MPV, 4286 St. Clair Av. Ft. My. 33903

GAINESVILLE AMATEUR RADIO SOCIETY, Inc. K4DPZ, meets 1st Tues. each month 730PM. C.W.A. Hall. 1949 NE 27 Ave., K4DPZ/R 147.375/.975. Weekly net Sundays 830PM. Check in with us.

GOLD COAST FM ASSN., Inc. Box 313, Boca Raton, FL 33432. Emgcy net Thurs. 730PM WB4QFY/r 146.22/82. Traders net 8PM, WB4UFA/R 4th Mon. 730PM Imperial Pt. Hosp. Med. Ctr. 6401 N. Fed. Hwy, Ft. Lauderdale. UHF RPT WB4RZS/R, 447.2 in 442.2 out. All Welcome.

GULF COAST AMATEUR RADIO CLUB. Meets 730PM, 4th Mon. each month, Colonial Hills Civic Assn. 87 Peacock Dr., New Port Richey. ARES net mondays 7PM. Traders net 2 &4 Fri. 7PM on KC4JL/R 146.07/67.

HILLSBOROUGH AMATEUR RADIO SOCIETY, Inc. WA4GJJ. Meets 4th Wed. 730PM. Pan Am Bank Bldg., Sulfer Springs. Mail: PO Box 24602, Tampa, FL 33623. Phone for info (813) 884-7035.

HOLLYWOOD AMATEUR RADIO CLUB, Inc. WB4TON/R 146.385/146.985. Meets 3rd Mon. 7:30PM Washington S&L Assn. RM AB-450, North Park Rd. Mail: P.O.Box 6306, Hollywood, FL 33021.

INDIAN RIVER AMATEUR RADIO CLUB. W4NLX. Meets 4th Tue. First National Bank, Merritt Isl., 730PM. Mail Box 5, Cocoa 32922.

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KEY WEST AMATEUR RADIO CLUB. W4LLO/R 146.34/94. Meet 8PM, 2nd Tues. Sportsman Inn. No. Roosevelt Blvd. Mail: P.O. Box 2371, Key West, FL 33040. Phone 296-2723. Most southern R. C.

LAKE AMATEUR RADIO ASSN. Inc. K4FC, Meets 1st & 3rd Thurs. 8PM clubhouse, Springdale Ave. Bassville Park. Mail: c/o J. Tolliver KC4PQ, P. O. Box 925, Lady Lake, FL 32659 Phone 753-4585.

MANATEE AMATEUR RADIO CLUB meets 7PM last Tue. each month at Manatee County Library, 1301 Barcarrota Blvd., Bradenton, FL 33505. For more details call Luther H. Vogel KA4MRQ, Sec. 747-8128.

TAMPA BAY REPEATER ASSN. P.O. Box 24671, Tampa, 33623, Meets 2nd Tue. 730 PM. Call in on 146.16/76 for meeting place. 146.16/76 Tampa; 146.39/97 Largo; 147.705/105 East Bay. Net meets ea. Thur. 730 PM on 146.16/76. Join us.

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meet 2nd Thurs. 730PM 1st Presbyterian Church, Ocean & Monroe St., Jax. Mail: Billy Williams N4UF, 911 Rio St. Johns Dr., Jax, 32211

OLD OLD TIMERS CLUB (OOTC). Florida Chapter. Net meets ea. Sunday 2PM on 7247kHz. Info from: Herb Spitz, WA4UOE, 340 SW 64th Way. Pembroke Pines, FL 33023.

ORLANDO AMATEUR RADIO CLUB. W4PLB 146.22/82, 146.16/76. Meets 3rd Wed. ea. month. 1st Fed S&L Community Rm. Edgewater Dr. 730PM. Info. from Al Huber, KC4CT, 305-295-2929 or to P. O. Box 7367, Orlando, FL 32854. All welcome any time.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. ea. month, Red Cross Bldg., 1150 S. Hickory St., Melbourne. Mail: Box 1004, Melbourne, FL 32901. Repeater: WR4AMJ 146.25/85.

PLAYGROUND AMATEUR RADIO CLUB, W4ZBB. Meets 1st & 3rd Thurs. 730PM, clubhouse on 1st St., Ft. Walton Bch. Mail: P.O. Box 873, Ft. Walton Bch., FL 32548 WR4ABZ on 146.19/79.

QCWA CALOOSA CHAPTER. Luncheons last Wed. ea. month 1130 AM. Twistys Restaurant, Cape Coral. Left at light a west end Cape Coral bridge. Info: D. Bowman, W4OUU, 5317 Colonade Ct., Cape Coral, FL 33904 Phone 813-542-4656.

QCWA CENTRAL FLORIDA CHAPTER, Meets 2nd Sat. Noon Sept. thru May at Western Sirloin, 3105 HWY 98 N. Lakeland. Net Sat. 10AM 7240. Info J. Spark W4LHP, Secty. 813 688-7204.

QCWA EVERGLADES CHAPTER. Meet last Sat. Sept. thru April Sweden House, 5550 N. Fed. Hwy., Ft. Lauderdale, Info see SKIP news or call Roy McCarty W9KA, 305 731-4145.

QCWA FLORALA CHAPTER. Meets noon 2nd Sat. ea. mo. at Fat Boys. BAR-B-Q near Ft. Walton Bch Fairgrounds. Pres. W4VXV, Sec/Tres. W4MMW, John Lakin, 10 Linwood Rd. F.W.B. Net Mon 730PM CST, 28/88 repeater, W5RHE NCS. How about joining us? ?

QCWA GATEWAY CHAPTER. Net Sat. 11AM 7230. Luncheons 3rd Sat. Uncle Johns Pancake House, Bch Blvd., Jax. Pres. W2KGI, VP W4JL Info from R. Reddy, WB1ELI, Secy/tres., 7604 Tacony Dr., Jax, FL 32211.

QCWA GATOR CHAPTER' Tampa Bay area. Meets 1st Sat. Noon at El Capitan Restaurant, 2525 Gulf-to-Bay Blvd., Clearwater. Wkly net Sat. 0930 on 3920. E. Nannis K4JMH 14996 Imperial Pt. Dr. N, Largo 33540.

QCWA PELICAN CHAPTER' Meets 3rd Wed. Noon, at Manor Restaurant, 2750 - 34th St. S., St. Petersburg. Net Sat. 10AM on 3930. K4WP Sec'y: 5326 - 20th Ave. N., St. Petersburg, FL 33710.

POMPANO BEACH AMATEUR RADIO ASSN. Meets 2nd Thurs. 7PM at St. Stephen Lutheran Church, 2500 NE 14th St. Mail: 421 NE 25th Ave., Pompano Beach, FL 33062. Welcome aboard ! !

EXTENDED DIRECTORY

QCWA SUNCOAST CHAPTER. From Tampa so to Marco Isl. Meet at Daveys Locker Rm. of Windjammer Rest., 7100 S. Trail US 41 1st Wed. ea. mo. Oct. thru May. Info: A. Hodson W4PJF 756-5792.

QCWA SUWANNEE CHAPTER. Net Sat. 7236 plus/minus 9AM. Pres. T. Freck W4WL. VP H. Henline W4JOP, Sec/Tres. H. Carpenter W4JTJ, 815 Hemlock St., Inverness, FL 32650 Info phone 904-726-7497.

QCWA TREASURE COAST CHAPTER, Chmn. Karl Gansler, W4PSG, & Sec-Tres, Bud Greenlees K4BHW. Lunch 2nd Thurs. at Sheraton Regency No. A1-A, Vero Beach. Mail: PO Box 3088, Vero Beach, FL 32960.

SARASOTA AMATEUR RADIO ASSN., Inc. W4IE. Meets 3rd Tues. 8PM Rm. A-9, Sarasota Jr. Hi School. Sarasota Hamfest 3rd weekend each Jan. Mail: P.O. Box 3182, Sarasota, FL 33578.

SOCIEDAD INTERNACIONAL DE RADIO AFICIONADOS, Inc. WB4ESB & WB4ESB/R 147.90/30. Mail Box 524071, Miami 33152. Tfc Net 14300 Sat & Sun. 9-11AM. Emgcy net 14205 & 147.510. Info & drill net Tues 9PM thru repeater.

SOCIETY OF WIRELESS PIONEERS (SWOP) EDISON CHAPTER. Meet Sun. 2PM 7053 kHz. Bill K4TF, CHOP. Info about SWOP: Bill Willmont K4TF, 1630 Venus St., Merritt Isl., FL 32952 or net.

SOUTH FLORIDA FM ASSN. WB4MCK/R, 146.16/.76 & KB4KW/R 146.40/147.00. Mail: P. O. Box 430025, Miami, FL 33143. Meetings 1st Monday, CD Hq., 5600 S.W. 87th Ave. All welcome ! !

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8PM 1st Fri., Red Cross Hq. 818-4th St., Mail Box 4026., St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 730PM at Club House, Davis Isle. Columbia & Barbados. Mail: 4316 W. Oklahoma, Tampa, FL 33616 .

CYPRESS CHAPTER of Ten-Ten International meets Wed. 8 PM on 28, 665, covers E. Central FL. K4TSY Chapter Head. For certificate work 5 holders, send log info & $1. to Box Lucas, K4HTU, RD2 Box 2630, St. Cloud, FL 32769.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW, Box 6834, Southboro Station, W. Palm Bch 33405. Meet: 1st Wed. 730 PM, 823 Newark St., W.P.B. Phone 967-1477.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB. Meets 1st Wed. of each month, 7:30PM at Community Center at Lake on W 54. Mail to 1312 - 13th St., Zephyrhills, FL 33599. Come & bring a friend.

P.B.R.A. PALM BEACH REPEATER ASSN., Inc. .28-.88 Meets 1st Tues Each month 7:30 PM Science Museum, West Palm Beach. All welcome. Memberships available P.O. Box 461. Lake Worth, FL 33460 or call James Schoech, WD4LHF, 684-2116

OSCELOA COUNTY AMATEUR RADIO CLUB meets 2nd Monday of each month 7:30PM at Sun Bank, 13th St., St. Cloud, FL. Repeater 146.19/146.79 (W4SIE). All visitors are welcome to join us.

SOCIEDAD INTERNACIONAL de RADIO AFICIONADOS, Inc., (SIRA) Seccional Tampa. 146.835/235 bilingual rptr. Nets each Wed. 9-930PM Club meets 1st & 3rd Thur. at Western Sizzilin Steak House, 4215 W Hillsborough Ave., Mail: P.O. Box 15392, Tampa, FL 33684.

QFNS. I thank all the stations who help me and the net. I am still learning alot about running nets. High QNI this month goes to the following: WA4PKK, Dick and WA4QXT, Walt. Now have many RN5 reps. coming to the net. This provides a quicker outlet for westerly bound traffic and I hope the reps will continue to come. Looking for QFN rep for Saturday. Anyone interested?

A bit about net controls. If any station hears the net not starting on time, and no one brings it up, feel free to take over as net contorl. It's good experience and fun. N1BIR back in Key West. Good to hear you, Wes.

I would like to thank Lou, KA4ASZ for picking up net contorl several times this month, TV.

Anyone needing information about the net write me or send a message to: Gus Kein, KA4LNA, 7251 N.W. 6 Ct., Plantation, FL 33317. The net meets every nite at 8:00 EST on 3715. All welcome! 73.

TROPICAL PHONE TRAFFIC NET
By Gus Kein, KA4LNA

At this writing the net needs a D4RN Rep. for Saturdays, CW on 20 meters. Also a Net Control is needed for Thursdays. We should not have trouble filling spots because we have so many members. Please, help! Chuck, WD4HXS now back in town. Welcome back.

Records show Bob, WB4FVV among the most active with 4 NCS, 5 D4RN, 2 QFN, 15 FAST, 2 NFPN and FMTN! Thanks, Bob! Also WA4QXT now D4RN on Fridays. AA4FG also hard at work with 5 NCS, 3 D4RN, 4 QFN and NFPN1 TV Fred. TPTN was in extended session under the leadership of Gary, N4AXN.

The net members and D. Gary ran for about an hour and six minutes. Excellently done. Thanks all! Well, that's all for now. Any comments should be directed to me, Gus Kein, KA4LNA, 7261 N.W. 6 Ct., Plantation, FL 33317. The TPTN meets every day at 5:00 EST on 7272, All welcome. 73.

KNIGHTS OF THE KILOCYCLES
(The World's Oldest Net)
By Phil McMasters, W4BCZ

W4KGJ, John Porter called me on 2 meters mobile on his way to Arcadia September 3rd and told me that he was a pallbearer for Al Bates, W4LFL, the day before and that many of Al's friends attended the service. W4LFL was the only Knight that has failed to receive one of our distinctive "get well" cards. I sent two and was ready to send another when I found out that he was called at 10:45 after the net.

W4DVR, of Chaplain, has been in pain and W4DDW, Frank, has done a fine job as our number two man. W4SVB, Charles, is in North Carolina and the Birthdays and Anniversarys have been read by W4BCZ for 3 sessions. W4KOH, Ernie, has been having a very painful time with an old complaint (pinched nerve) and her Lady Osteopath has passed on from Cancer and we have not found another as well trained yet to relieve the problem. Pain pills just don't do the job for long.

I meet both the Friendly Florida Fone Net at 7 A.M. on 3940 and the Tropical at 5 P.M. on 7272 to hear from you all on who has been to the doctor, so I can send a get well card — I have a strong crystal ball, but it is not infallible. K4SVW, Paul has a new Mike he built himself that looks like a factory job, sounds good too.

STATE QCWA NEWS
Edited by Eli Nannis, K4JMH,
14996 Imperial Point Dr., N. Largo, Fl. 33540
NOTE: SUNDAY STATE NET FREQUENCY IS NOW 7252KHZ

The national QCWA elections are over and our new officers and directors are Stu Meyers, W3GHK, President; Leland Smith, W5KL, Vice President; Hugh Turnbull, W3ABC, Secretary; Art Monsees, W4BK, Treasurer, and the Directors are Vic Clark, W4KFC, Larry Harvey, N6LY, Ron Hesler, VE1SH, Leo Meyerson, W0GFQ and Ethel Smith, K4LMB. This is a fine slate of officers and directors and QCWA is very fortunate to have such a distinguished group of amateurs to formulate policy for QCWA. The losers were also well qualified and we hope that they try again at the next election.

The Suncoast Convention will be held at the Sheraton Sand Key in Clearwater on Oct. 3 & 4. The Gator chapter is sponsoring a QCWA luncheon on Saturday, Oct. 3rd. Three fine expensive prizes will be given at the luncheon: A Daiwa automatic antenna tuner 1 KW; a Tempo S1 2 meter H.T.; and a Midland 13509 mobile 220 Mhz 12 channel unit. Larry Price, W4RA, Vice President ARRL will be the guest speaker. Tickets are $6.00 and may be obtained from FGCARC or from Bill Turner, W2WV, 1469 Maple St., Clearwater, Fl. 33515.

Some QCWA members are asking why their chapter activities are not reported in "Florida Skip". It is because your correspondent or secretary is not sending me the reports. If these reports reach me by the 1st of each month, you will see them in the "Skip." IMPORTANT: The State QCWA net which meets on Sundays at 12.30 P.M., frequency has been changed to 7252 Khz.

GATOR CHAPTER: At our August meeting, 20 members and guests were present. The guests were W1OTU, WB4LVM, ex W3EFX, W4IZG and KA6GDV. Plans for the sploshpitality room were discussed. The room will be open on Sat. 3rd from 10 to noon and from 2 to 3 P.M. W2WV and YL will see to it that everything in the room will be in order. Plans for the QCWA luncheon are going well. Les, W4DH gave a talk on the space shuttle and the problems encountered in the first launch and the methods that will be used to

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TOWER POWER

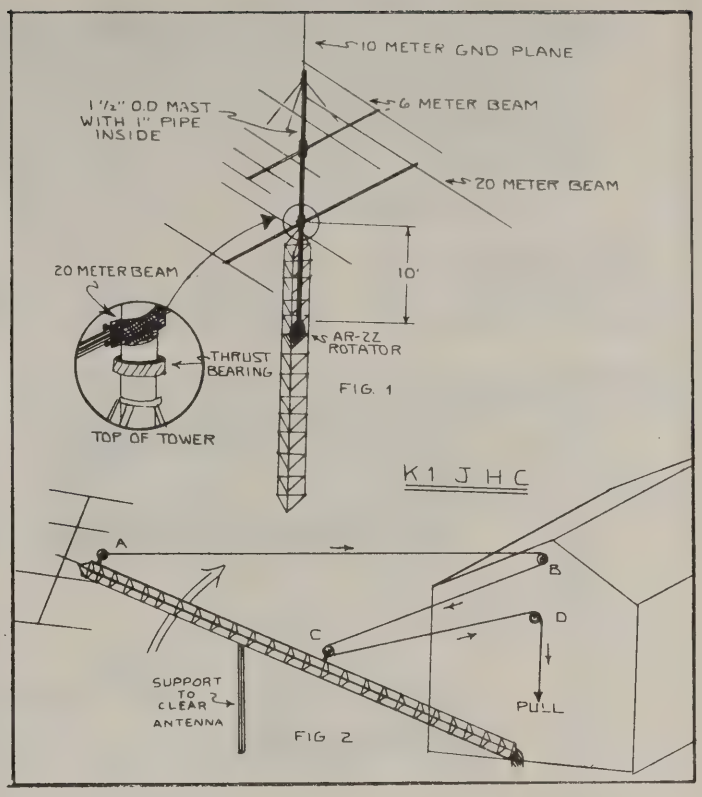
Tom Duffy K1JHC of Leominster, Mass. sent us a couple of useful hints which enable an enterprising ham to get a little more out of his antenna tower installation.

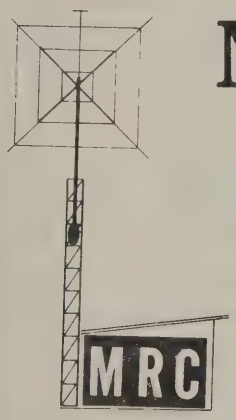
Figure 1 shows how a simple AR-22 rotator is used by Tom to rotate a full-sized 20 meter beam, a 6 meter beam, and a 10-meter ground plane. Use of the inexpensive rotator is made possible through the following techniques: first, weight of the antennas is kept off of the AR-22 by supporting the mast with a thrust bearing at the top of the tower. Second, by placing the rotator 10 feet below this bearing, bending load due to wind is reduced at the rotator location. There is no brake in the AR-22, so the antennas will "weather vane" into position of least resistance during high winds, reducing torsion on the rotator. By setting the position control on North the whole system can be easily recalibrated.

Figure 2 shows how to raise a 50-foot tower when your house is only 25-feet high. When the tower is nearly erect, point C will be pulling almost directly on the tower. When the tower is horizontal, a 3 to 1 power gain is achieved through the pulley arrangement. With a boat winch at D, one man can easily raise and lower the tower.

Our thanks and a five dollar bill go to Tom. SKIP is still interested in any simple project you might like to describe in a tech article. Credit and some cash to all those whose articles we print. Just send it along to P.O. Box 501, Miami Springs, Florida 33166. How about it, fellas?

WA4DHU





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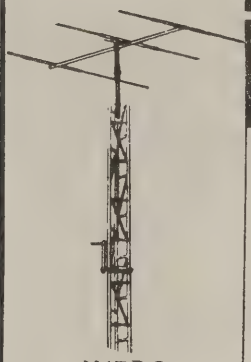
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FRED Winston, K4KK Everglades Chapter QCWA treasurer is presented his "50-Year Award" by by one of QCWA founders, Dave Talley, W2PF at recent QCWA dinner meeting. (photo by Lou Lchreiner & tks) Everglades meetings resume in Sept.

AMATEUR OF THE MONTH

Today we meet Pete Fernandez, our senior SOWP vice president. His SOWP number is 488 SGP and his call is W4SM out of Greenville, South Carolina. Pete started in radio in 1917 at Key West. He lived about a block from NAR and could read their rotary gap without a receiver. Between 1921 and 1929, Pete sailed the North Atlantic and Caribbean. During 1929-1930, he was flight officer with Pan Am, a ground station operator in Havana and inspector for the Compania Mexicana de Aviacion.

From 1930 to 1934, he served with the Airways Division of the USLHS. From 1934 to 1939, Pete worked as a ground station operator, CHOP at Miami station WKDL and section superintendent at Port of Spain, Trinidad. From 1939 to 1941 he was communications superintendent for Pan Am Air Ferries, ferrying aircraft from Natal to Dakar and the Dutch East Indies. During 1942 to 1959, Pete served with the Army Air Corps and later the U.S. Air Force. He was director, communications and electronics for the famous "Hump" airlift over the Himalayas from India to China.

He also served in the Berlin Airlift and the Korean Invasion. He retired from the Air Force in 1959. From 1959 to 1963, Pete worked for Collins Radio in Dallas, Germany and Tokyo. Then in 1963, he "Swallowed the anchor for good." Pete holds a Radio Telegraph first class ticket with radar and aircraft endorsements. He also holds an extra class amateur license. His hobbies include ham radio and all the "Honeydew" jobs of the happy homeowner. Pete's awards include the Legion of Merit (3 times), the Bronze Star Medal (twice), Commendation Medal (4 times), the Order of the British Empire by King George VI, Special Breast Order of Yun Hui with Rosette from the Chinese and the United Nations Medal for Humane Action. Pete, we thank you for sharing with us these tidbits from a long, colorful and exciting career. Best wishes.

(K4TF—SOWP Bulletin)

K4JY — R.I.P.

The ultimely death of Albert M. Pichitino, K4JY, left a vacant spot in the hearts of his many ham radio friends.

Al was first licensed at age 14 under the call of W8KML. He later entered the University of Michigan and studied Electrical Engineering. Upon graduation he did post-graduate study at both Harvard and M.I.T.

During World War II, Al was a U.S. Navy Officer where he received a commendation for "original and unique" development and contribution to the only fully automatic missiles in operational use.

After leaving the Navy, he became the Chief Engineer of. E.F. Johnson Company of Waseca, MN, where he helped develop their amateur radio line.

Al was granted many patents and had several articles published in QST and CQ magazine. His familiar voice will be missed by the many hams who knew him.

By WB4ERV

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Mr. Theimer comes to the Commission's Miami District Office as the Engineer In Charge after having held the same position for the past 5 years at the District Office in Buffalo, NY. Prior to the Buffalo assignment, he served as staff engineer at the Tampa, Field Office and as the Senior Engineer at the Philadelphia, PA District Office.

As Engineer In Charge, Mr. Theimer, is responsible for all the field engineering, enforcement, and public service activities of the Commission's Field Operations Bureau in the South Florida area.

Mr. Theimer is a graduate of Lake Worth High School, Palm Beach Junior College, and the University of South Florida.

Mr. Theimer is married and father of a son and daughter. The Theimer's currently reside in the Kendall, Florida area. Some of his spare time activities include fishing, photography and woodworking.

Welcome back to Florida John.

FACTS AND FIGURES FROM F C C

Here are some figures released by FCC on the number of amateurs in different states:

CALIFORNIA	52,661
NEW YORK	26,566
TEXAS	23,095
FLORIDA	21,275
OHIO	21,002
ILLINOIS	17,942
PENNSYLVANIA	17,602

Here is another listing by amateur class: Extras, 28,364; Advanced, 91,817; General, 126,872; Tech. 74,643; Novice 78,306. Total all classes USA and possessions – 400,002.

Here is a break-down in Florida: Extra, 1,340; Advanced 5,065; General, 6,851; Tech. 4,056; Novice, 3,963. Interesting huh ? ? ?

AVANTI SOLD

Avanti has been sold to Antenna Specialists, effective September 1, and will be moved to Cleveland. All Avanti Communications antennas, including the "through-the-glass" mobile models, will become part of AS's line, though with present model numbers.

(From HR REPORT.)

FCC TRAVEL EXPENSES

Fcc employees' travel expenses can be reimbursed by an Amateur organization for attendance at a hamfest or other club meeting, it has just been decided. In order to qualify, however, the sponsoring group must be a tax-exmpt organization under Paragraph 501A and 501C3 of the Internal Revenue Service Code. Travel expenses of an FCC representative must be paid in full by the host organization or by the FCC – they cannot be shared.

This new directive is good news for hamfest organizers, as recent FCC budget tightening has severely restricted FCC representation on the hamfest circuit. (HR Report 5/2/80)

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- Systems easily handle legal amateur power
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- Uses your RG-8 or RG-58 coax in any length
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- Solid Copperweld, stainless, nylon end lines

- Helium filled for a lifetime of high efficiency
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- Mates with any standard 3/8-24 mobil mount

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VAC-15/20--$69.50 VAC-10/15/20--$89.50 VAC-10/15/20/40/75--$149.50

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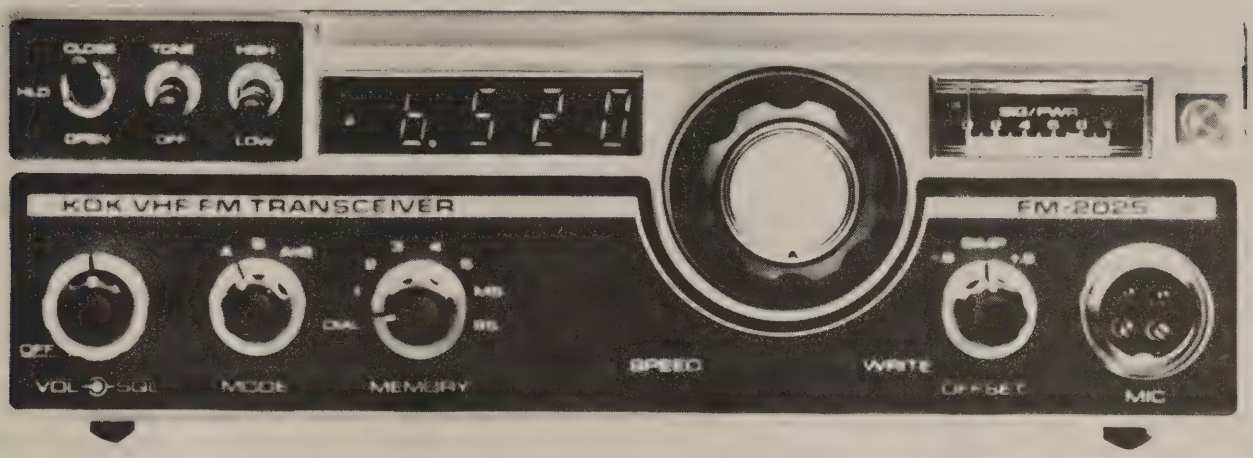

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- The ten channel memory is easily addressable and you have two banks of five channels each. You can even use both banks at once for odd splits.
- Standard 600 hz shift up or down — plus factory available boards for foreign shifts. Your 2025A is never obsolete!
- Band scan or memory scan. Memory scan is easy. There is also band scan with upper and lower limits you can choose yourself!
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- KDK has also eliminated another trouble spot by completely hand wiring each radio. No internal plugs to become intermittant and no wire wraps either, just good solid wiring.
- KDK gives you one of the hottest receivers you can find. By using UHF (not VHF) dual gate MOS-FETs with electronic auto tuning for the RF amplifier and the first mixer, you have a combination of ultra sensitivity and maximum quietness.
- The squelch on the 2025A MkII is highly sensitive and front panel adjustable, use it for ultra-DX or super local.
- The audio output stage in the 2025A MkII uses an integrated circuit which has internal protection against over-voltage and shorted output conditions. Plus it is a high audio output chip — just what you need in a noisy mobile situation.
- The transmitter uses direct VCO varicap modulation for true FM. Your transmitted audio sounds as it should; crisp, clear and natural.
- The power output stage of the 2025A MkII will not break down even with an infinite VSWR load, and uses heavy duty solid state antenna switching with a four stage low pass filter. All this gives you an exceptionally clean, spur free output.
- KDK has included an adjustable sub audible tone circuit which can also be used for CTCSS or tone burst on transmit. Again, more features!
- Size is 2 7/10" high, 7 1/8" wide, and 9 1/2" deep.
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VHF'ERS ROOST

By Frank Shannon, K4GT

THE CHUCKLE-FILLED WORLD OF "HAMS". N4APC, Bob Reisig, Sebring, tickled our ribs with his new name for the "sand-box", he said he had to QRT to visit the "porcelain-library"! Another jovial 2 FM'er, W4STC, Bob Nowell, Tampa, uses the phonetics "Sweet Time Charlie", Bob also used to be a member of well known net "Fish-head Net" (HF) which met at 'low-tide". W4ROM, Jim Waits, sea-going ham and professional radio-officer aboard the S/S Marine Duval used to be the head of the "Fish-head Net". Should you QSO any of the aforementioned fellows — you will certainly get your chuckles!

HURRICANES, TORNADOS, EMERGENCIES, ETC. WB4PIB, Walt, Sarasota, recently mailed this column a copy of "Hurricane", a guide for amateur radio operators, which was printed by courtesy of N4EWR, Lou Boehlein, of The Printing Corner, Sarasota. It is an eight-page pamphlet with info on various VHF and HF nets involved in emergency communications, over nets in Sarasota and Manatee counties. **Please inform this column of your area nets.** Here listed are their 2M FM nets, with regular check-in times for practice, etc.: Tuesdays at 1930 (local) 146.46 MHZ, simplex — Manasota Emergency Net; Wednesdays 1930 (local) 146.13/73 Sarasota Emergency Radio Club (ARES); Thursdays 1930 (local) 146.94 MHZ, simplex, Lemon Bay Emergency Net (Venice-Englewood); Thursdays 2000 (local) 147.06/66 MHZ, St. Petersburg-Tampa Weather Net. Much more info is printed in this pamphlet, such as Low Band Nets; Civil Defense, Red Cross and National Weather Service frequencies, etc. Also, the names, call-signs and telephone numbers of EC's, assistant EC's. and pertinent info. **DOES YOUR AREA HAVE SUCH EMERGENCY ACTIVITY NETS?**

6M NEWS. KA4DNR, "Billy", Apollo Beach, recently acquired a Drake TR-6 Xcvr. He was so impressed with its excellent performance.

The Medicare Net (Greater Tampa Bay ARea) has been reduced in total membership, mostly due to "silent keys", moving elsewhere, members selling their gear to purchase 2M FM, also upgrading their FCC tickets and QSY-ing to "Low Bands". Any new arrivals owning SSB 6M gear, please monitor, daily, 50.150 MHZ, at 9.30 AM EDST — or contact Ye Scribe, K4GT, Tampa, Fl.

RESULTS OF SEPTEMBER ARRL VHF QSO PARTY. It will be some time before QST publishes these results. This column would appreciate any direct info and scores of outstanding Florida participatns. **Send direct to K4GT, Thanks!**

BOYS RANCH, FLORIDA SHERIFFS ASSOCIATION. K4KE, Dave Stocky, St. Petersburg, many years ago, was the "drive" in forming a radio-club at Boys Ranch. He has, in the past, received numerous accolades for his charity-work for this activity. He has influenced many clubs and their members to donate their excess gear. The donors will be given a letter-receipt for your individual IRS tax deducations. WB4RHY, Gordon Callender, Tampa Amateur Radio Club (also member Tampa Bay Repeater Assoc.) is the "drive" in the Tampa area. **Congrats to these gentlemen.**

WHOOPS, We've used-up our alloted space! Will continue in next issue SKIP! DON'T FORGET — TELL A FRIEND ABOUT SKIP! C U NEXT SKIP!

AMSAT OSCAR 7 CONTINUES TO KICK OPEN THE COFFIN LID!

As is well known by now, Amsat Oscar 7 had a battery failure in mid-June that for practical purposes eliminated any further use of the bird.

Meanwhile, there have been isolated reports of reception of the 70cm beacon in various parts of the world and most recentlyu there has been a report of good reception by G4JJ. This report would indicate that a favorable trend in battery condition is taking place which might lead to a chemical breakthrough in the ailing battery. If the battery again goes open as it did in connection with the 1978 cell failure the spacecraft would operate again using the remaining good batteries and the solar cell panels. (Note: an open battery acts like a resistor in series with the battery pack.)

A worldwide family of Amsat Oscar users are waiting anxiously as the old bird tries to gather strength to kick open the coffin lid permanently.

—Walt Dixon, W4DWN, Amsat Rep.

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FLORIDA SKIP

A EULOGY FOR SILENT KEYS

By David Michaels WB4OHH

The radio against the wall,
No longer will transmit his call
To outer space both far and near
It's just a piece of silent gear.
He earned his rest and ran his race;
Most knew his voice; few knew his face.
No longer will he hear his shout;
His call no longer will ring out.
He made his final QSO.
The Master Ham called to him and so
He answered;--now he rests at ease.
He's joined the ranks of Silent Keys.

(This eulogy first appeared in SKIP, March of 1970.)

SILENT MINORITY: One who waits for his opponent to say his putt is a gimme. . . . The way some Sunday golfers play, they are better off in church ! !

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HOW TO STAY ON THE AIR WITHOUT A SECOND MORTGAGE

By Dick, KA4AIZ/AAR4PP

Grant Reimer, manager of the Orlando branch of Amateur Electronic Supply, says the average Ham stays active in the hobby in cycles of about six to seven years. During each cycle — commercial studies show — the Ham will buy several hundred dollars worth of gear per year. After which he'll quit for several years or more.

Then he'll move back into the hobby — and get one whale of a shock. He'll bundle up all his old goodies and take them down to the local Ham gear outlet, planning to trade them all in for shiny, new gear. And he'll discover that 8-10 year old equipment isn't worth much on trade-in, even with names like Drake, Collins, or Hal. (Sometimes a young salesman will say, "Hammarlund? Never heard of it, but we can't take Swedish radios in trade, Old Man, unless they fit Volvo dashboards." Then the Old Man, feeling very old, indeed, will pick his gear off the counter, head for the nearest lake, give his rig the bouyancy test, and sign up at the local community college for an Adult Education course in Aerobic Acupunture.)

Usually, after grumbling for a while, our re-treaded ham will spring for a whole new rig and go through the umpty-ump-dollars-per-year routine for another cycle. Why? Because Ham radio has always meant to him the mere manipulation of state-of-the-art equipment; the actual "operation" of a Ham station has never been challenging enough to keep him satisfied. But then, why should it have been? How much wallpaper can a man collect before he gets bored?

The exception to this dismal cycle is the Army MARS Ham. You'll find Army MARS station operators running equipment that they first put on the air back during their Novice days — and coming up with signals as clean as any you'll hear today. Because MARS operators are goal-oriented, and their rewarding, satisfying goal is the maintenance of reliable emergency communications. Meeting that challenge is no expensive, six-year fling. It's a lifetime labor of love.

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SOUTHWEST FLORIDA AMATEURS PROVIDE SUPPORT FOR OFFSHORE POWER BOAT RACE

By Dick McIntyre, K4BNI

The Cape Coral Amateur Radio Club in association with the Collier County Amateur Radio Club provided communications for the Florida West Offshore Power Boat Association race held in Gulf waters on May 30.

Amateurs manned six check boats stationed along the race course in the Gulf of Mexico. The amateurs, using two meter gear, passed race progress information to the amateur base established at a motel on Fort Myers Beach. Base operators passed the information to race officials at the motel and via another two meter link to the Cape Coral Yacht Club some 8 miles away.

Two amateurs with appropriate two meter gear were assigned to each check boat. The longest path involved was 33 miles and simplex operation was used throughout. Amateur communications were excellent throughout the event. A procedure was developed as a guide for the event and for historical purposes. A copy was forwarded to FCC for their information.

Cape Coral amateurs also provided communications for a parade which was part of the overall race festivities. Parade communications were also maintained via two meters and were highly successful.

BETTER OPERATING

By Lowell White, W2CNQ

Un-necessary hard feelings and un-intentional interference.

There is a common condition when operating SSB that, due to an apparent lack of mutual understanding, causes un-intentional interference and un-necessary hard feelings. This condition can be avoided if the problem is mutually understood.

Let's assume you are looking for a reasonably clear spot to operate LSB on 40 meters. You listen at 7249kc and it sounds pretty good. There is a little very low pitched and un-intelligible speech on the frequency but it is about the best spot you can find and you decide to use it. (Actually, the garbage you hear may be at 7250kc or a little above.)

You inquire if the frequency is in use, maybe 2 or 3 times, and hear no reply. So, you go ahead and make your call. Now, the trouble begins. The station that is operating slightly higher above you (lower on USB) has heard your high-pitched and very intelligible signal each time you inquired, and each time he responded that the frequency is busy. BUT, you did not hear his very low-pitched and un-inteligible transmission. FINALLY, he will tune down and perhaps angrily tell you that he has told you before that the frequency is busy and that you are playing havoc with his QSO (but, you did not hear him until he got on-frequency).

SOLUTION: Once all parties understand what is happening, the solution is mutually simple and easy. But, it requires good and intelligent operating by all parties concerned.

First, if you wish to advise that the frequency is busy and the interfering station is a little off-frequency (his voice is high pitched), recognize the situation and tune exactly on his frequency. Then, tell him that a QSO is in progress just a few hundred cycles away, otherwise the potentially interfering station probably will not hear and understand your transmission.

Second, and not the least important, if you are inquiring if a frequency is busy, be aware that your slightly off-frequency and high-pitched signal (a few hundred cycles higher on LSB and a few hundred cycles lower on USB), may constitute a one-way destrutive interference situation.

So, if you hear a 'gr-gr-gr'' on your frequency, make a special effort to tune a little to see if that voice is trying to tell you something. He may not be aware that you do not read his "gr-gr-gr" when he tells you the frequency is in use.

73.

EDITORS NOTE: THE ABOVE ARTICLE WAS RECEIVED HERE AT SKIP OFFICE FOR PUBLICATION 4 DAYS BEFORE THE DEATH OF MR. WHITE. WE HAVE ANOTHER ARTICLE WHICH WE WILL PRINT NEXT MONTH.

THE FIRST SCIENCE OSCAR

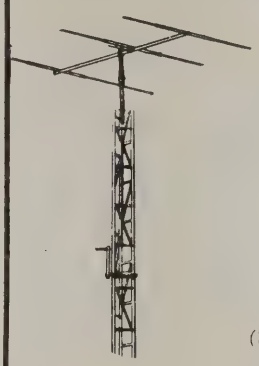
By Walt Dixon, W4DWN, AMSAT Rep.

Imagine for a moment that you could look at the ionosphere in such a way that you could really know its condition. Further imagine a small group of stations like yours networked for the purpose of producing sophisticated ionospheric maps which would allow you to plot favorable propagation paths. These and a dozen other experiments are available on the new Amsat Oscar 9 spacecraft launched in September.

The orbit of Amsat Oscar 9 is a sun-synchronous polar orbit with an altitude of approx. 330 miles. Inclination of the orbital path as compared with the Equator is 97.5°, and the period of an orbit of the Earth is approx. 98 mins.

Propagation Beacons are located at 7050, 14002, 21002, and 29510 KHz with an transmit output poer of 100 mW. The General Beacon is on 145.825 mHz with 350 mW of RF output. There is an Engineering Beacon at 435.025 mHz with 650 mW output. Also there are experimental UHF/SHF Beacons at 2401.0 mHz and 10.470 GHz both running 125 mW output.

To obtain more information on this interesting new Amateur Radio Satellite write AMSAT, P.O. Box 27, Washington, DC 20044.



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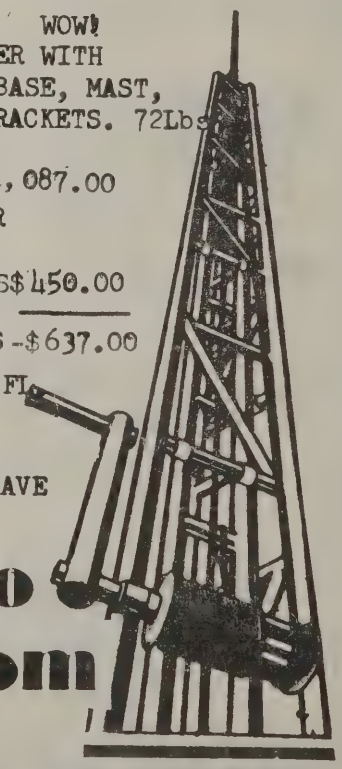

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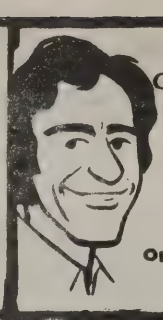
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USAF MARS (Statewide)

By Phillip A. McMasters, AFA2XR/W4BCZ, PAC-Florida

It has been some time since Florida HAMS have been given a list of new AFCC MARS who have passed their training examinations. Here are those who can take your MARS traffic: Lynne Hamrick AFA2AS, Jos. A. Rodick AFA2BL, James A. St. John AFA2CV, Wayne Kocher AFA2DW, Mark H. Greenwalk AFA2EG, John T. Cudahy AFB2QL, Bruce Wyman AFA2IW, John A. Howell AFA2IX, Wm. R. Verdelotte AFA2JI, Eleanor A. Moore AFA2HT. This list includes those completing training form the January thru August Classes. WELL DONE.

Robert C. Metz AFA2YI, of Lake Worth, has done a fine job as Florida Training Official under the direction of Larry Jones AFF2T/WD4DIU who is a regular on a number of our amateur traffic nets. Although I am no longer a region official, my personal WELL DONE goes to both of these Affiliates and Hams.

The list of USAF Networks dated 1 June 1981 with VHF MARS REPEATER INFORMATION should be in the hands of all members by this time. If you do not have it, Notify the SMD, do NOT discuss frequencies over the air.

AFB2VV in Florida Hospital at Orlando was allowed to talk with AFA2XR VIA a Patch allowed by AGA2LA to check out the equipment of AFF2T after he completed the NCS duty on 2FLS-01. N4XV/AFB2VV is very ill but was happy to hear from his MARS friends who have called.

NAVY MARINE CORPS MARS

By Bob Barry, NNN0GAL8/KC4GG

Tropical storm "Dennis" provided a good test of our emergency communications capabilities. As the storm neared the Keys on Sunday morning, a Region Net was established on 7393 kHz. This Net was comprised of MARS operators from 11 states, the District of Columbia, and Puerto Rico. Florida operators had been guarding 7346.5 kHz on an informal basis until noon Sunday, when a Condition 1 alert was set for the southern tip of the State and Florida Area Emergency Communications Net was officially activated. Harry Matus, NNN0SZV/N4DWY, and Bob Barry, NNN0YWE/KC4GG, alternated as net control for this Net for the first four hours. Liaison with the Region Net was maintained by George Jackson, NNN0GAL/WA4LJO, and Jim Robinson, NNN0GAL2/WB4RIS.

Frequent weather reports from Fleet Weather were furnished by "Woody" Woodyard, NNN0IGW/WA1WGE. Frank Holt, NNN0YBU/K4YWX, supplied additional reports as they were released by the Miami weather bureau. Timely and reassuring on-the-spot reports were furnished from Key West by Wes Linscott, NNN0YKP/WA1IOG. As the center of the storm passed over Big Pine Key, Hank Schueler, NNN0YYX/WB4MYX, stayed on the air from that location and we were happy to learn that the storm was having little effect on that Key.

Jan Reece, NNN0YKM/KA4ELA, and Bob Weill, NNN0YXK/K4GRM, shared the net control duty through Sunday evening and until 2120 hours, when our Area Coordinator, George Jackson, and his Assistant for Emergency Communications, Jim Robinson, decided that the alert could be downgraded to Condition 2, with a listening watch to be maintained on 4040 kHz through the night and for the Net to be re-activated at 0500 hours on Monday morning. As the storm continued to stall over south Florida, the Net was secured at 0700 hours Monday but listening watches were continued throughout the rest of that day and Tuesday. Finally, at 1950 hours Tuesday, the alert was further downgraded to Condition 3 for Florida, but members continued to guard the frequencies as the storm moved on Georgia.

We were very lucky this time! But, the operators of Navy-Marine Corps MARS were prepared and available had they been needed, and could have handled emergency traffic to any state and to many locations overseas.

This month we are happy to welcome aboard James E. Knight, of Lake Placid, who operates under the call signs NNN0SZST/K4KGY; and Ralph E. Waldron, of St. Augustine, NNN0WHA/KA4OBV. Additionally, Peter J. Harvey, NNN0LBT/WA2TBP, an old MARS hand, has transferred into the Florida Area and is most welcome.

We hope that all hams reading this column are involved with the disaster plans and operations of their local radio club. If you also would like to work with us in NAVMARCORMARS, drop a note to this writer at 250 West Canal Drive, Palm Harbor, Fl. 33563.

NEW AMATEUR SATELLITE

UoSAT, Great Britain's first Amateur Radio satellite, is scheduled for launch from Vandenberg AFB, California, at 1141 UTC on September 20. The satellite, to be named UoSAT AMSAT OSCAR 9 after successful launch, will be a secondary payload riding piggyback on a NASA mission. The primary payload, Mesosphere Explorer, will carry instruments to measure the production and depletion of ozone in the earth's atmosphere on a global scale.

Both satellites will be launched by a McDonnell Douglas Delta 210 that will place the satellites in a sun synchronous 336 mile orbit. The AMSAT Launch Information Network Service, ALINS, will operate during the launch countdown on 7.182, 14.305 and 21.280 MHz. Amateurs are asked to take part in this historic event by monitoring ALINS on launch day. (ARRL OB 89)

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JUST WEST OF

I-95

QCWA from page 11

prevent these problems from happening again. Vern, K4IGO is recovering slowly. Barney, K4NB is coming along pretty well. Ed, W4BUB spoke on the SPARC weather net that meets at 7.30 P.M. on Thurs. This net is in close contact with the weather service in Ruskin. This group assisted in the preparation of the hurricane preparedness program set up by the Bay Area Counties. Our chapter donated a set of ARRL publications to the Clearwater library and pictures of the presentation were in the "Clearwater Sun" and the "St. Petersburg Times". A Board of Directors meeting was held on August 27th with 7 Board members attending. The discussion was mostly on our chapter activities at the Suncoast Convention on Oct. 3, 4. See you all at the convention. —Reported by Eli Nannis, K4JMH.

EVERGLADES CHAPTER: The fall season meeting of the chapter will be held on Sept. 26th at the Sweden House on North Federal Highway in Fort Lauderdale at noon. The program will be a speaker from Motorola. —Reported by K4NA.

TREASURE COAST CHAPTER: Vero has a new ham, Boo Roach, WB4MVO. The new Vero repeater K4QM took a lightning surge thru the phone line and is temporarily out of service. Weekly luncheons at the Sheraton Regency on north A1A in Vero Beach are well attended considering how many of the gang are up north. On July 30th, visitors were Dick Purinton, W1SX and Bill Lathrop W4PR. Thanks for coming and visitors are always welcome. —Reported by Karl Gansler, W4PSG.

PELICAN CHAPTER: At our regular meeting on Aug. 19th at the Manor restaurant, there were 17 present; 11 members and 6 guests. Art Monsees, W4BK, has moved to new quarters and only has 2 meter capability at this time. Bill Franklin, W4KC also now lives at the Majestic Towers in St. Pete. We are happy to report that Barney, K4NB has improved and hopes to attend the September luncheon. Vern, K4IGO is now able to navigate by means of wheel chair and is back in his apartment at the Towers. The winners of the prizes donated by Ray's Amateur Radio were W2DB, WB4AFQ and WA4ZVO. Howeard, W2DB was also presented with a 60 years certificate. Attendance on the Pelican net Sat. 10 A.M. on 3930 Khz has been poor and we hope the members will put up some kind of a 75 meter antenna this coming fall. We were advised that teh XYL of Stan Kahn, K4JBJ passed away recently. Our September meeting will be on Sept. 16th at the Manor Restaurant. President of Gator, Lou Weber, K4HWS and Director Bill Turner, W2WV has promised to attend. —Reported by Jack Mandel, W4PLW.

THE TEN COMMANDMENTS OF RADIO COMMUNICATIONS

1. Thou shalt give way to stations with emergencies and assist in all ways that station.
2. Thou shalt listen before thou transmitteth to be sure that ye have not smitten another's signal.
3. Thou shalt partake of the conversations at hand and thou shalt not disrupt the orderly flow thereof.
4. Thou shalt desist thy transmission when the voice of thy signal is weaketh, and thou shalt refresh thy batteries before renewing.
5. Thou shalt not commit doubling and shall insureth that ye truly have the channel by lifting thy PTT button and listeningeth.
6. Thou shalt not smitten another's signal intentionally, lest he smitten you on the nose in return.
7. Thou shalt not killeth thy transmitter by allowing the wind of thy signal to overload it's capabilities.
8. Thou shalt cleanseth thy signal of impurities and keepth thy signal on the frequency and bandpass, lest thou spileth over onto adjacent channels.
9. Thou shalt await a respectable duration after ye hath transmitteth for the breaker to deserveth his chance.
10. Thou shalt honor the wishes of the Great FCC, for their's is the presence that maketh the wrong-doer to repent, and the righteous to operate blissfully.

(From March 1980 "The Soundings" of Cocoa Beach Power Squadron via John, W4WKQ.)

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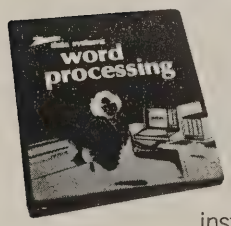

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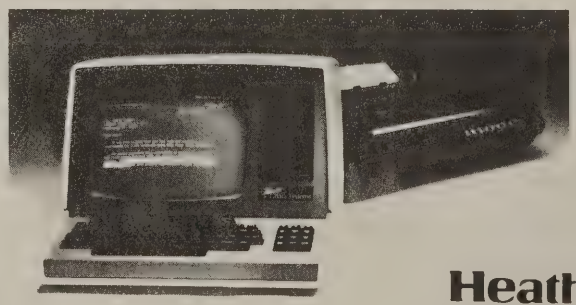

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ARRL BOARD MEETING IN ORLANDO

The Board of Directors of the American Radio Relay League met in Orlando, Florida on March 11 and 12, 1981, just before the ARRL National Convention. Among Board concerns was the effect of continuing high rates on inflation on ARRL financial reserves. Following a Management and Finance Committee report on the outlook for the next three years, the directors voted to increase the annual dues rate from $18. to $25. effective July 1, 1981. However, to ease the impact on older members, licensed amateurs 65 years of age or older may re q uest a special rate of $20. per year. Postal surcharges make the rates slightly higher for members in Canada and overseas. Before July 1 members may apply for Life Membership or term membership for up to three years at the present rate. (In part from ARRL OB 28 3/13/81)

SOLAR POWER ANYONE ?? ? ?

SOLAR POWER'. Bob Patton, N4BP of Miramar is now operating his Argonaut 509 on solar power (QRP) and making worldwide contacts on CW and SSB. Bob's first QSO was an SM in Sweden. Can anyone top that?? Please drop SKIP a note if you are using solar power for amateur communications. Just pray for a bright sunny day.

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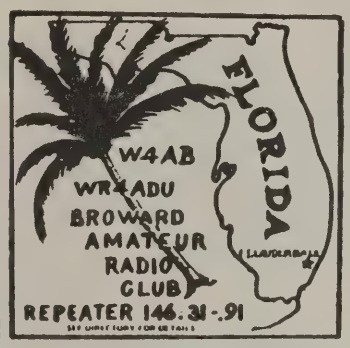

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DX WITH W4MB

One quite often hears the statement "I can't work DX because I don't have a linear." Is it true? Absolutely not. You can work all kinds of DX without one. Then — if a linear is not necessary, is it helpful? The answer is — yes, sometimes, but not nearly as often as they are used.

To see why this is so, let us look at two typical stations, both using three-element beams, and a typical transceiver. But one has a good linear. What's the difference? Well, the difference in signals will be about in proportion to the power input — some 10 dB or about two S-units.

Working a G on 10 meters, around 10 a.m. local time, the guy without a linear will probably run S9. And the linear will get up to S9 +10. Both are far above the noise, and are, in fact, extremely strong signals.

A little difference may show up later in the day. The JAs are coming through, running about S5. The guy with the linear can usually get through on one or two calls with the S5 report; without a linear may take a half dozen tries for an S3. More differences may show up on the really rare areas, such as XW, CR7 and so on. The guy with the linear works a few, the one without, can't even get through.

About this time the phenomenon called linearitis sets in. But wait — suppose the nonlinear guy really looks at his logs. That S5 JA he worked gave him S3, and his linear competitor an S5. But the JA was Barefoot! How come?

The answer is the antenna. The JA has 180W, but a 6-element monabander at 60 feet. Same for the G, and the XW. Maybe the money should go into the antenna.

For the price of the linear you can get a 4-element tribander at 50' — slightly above the average station. If you work at it, building your own, you can get 6 elements on 10, 5 on 15 and 4 on 20, all at 70'. Now you are well above average.

You'll start working them. Even better, you'll start hearing them, often when average stations can't. You get gain on reception as well as transmissions. Plus a few other items — such as less chance for TVI and a lower power bill.

Of course, if you are really into DX, you can do some better by adding a linear. Actually, I prefer to use it, but to let it loaf along at about one-third power. Less distortion and no splatter that way. Its nice to get compliments on quality.

You can always turn it to full blast in a pile-up.

HAMS RECOVER STOLEN VAN
Clark J. Evans, WA4DLL

On Thanksgiving evening, Mr. William Edge had his van stolen while he stopped at a convenience store in Tampa.

Mr. Edge let his friends know about his van being stolen.

Five days latter, Clark Evans, Wa4DLL was visiting Dexter Willis, WD4MYS and helping him change a water pump on the car. After completing the water pump job, WA4DDL drove to school to pick up his son. Five blocks from WD4MYs home we saw Mr. Edge's van parked along a side street near a junk yard, with no one around. WA4DLL got on the Tampa repeater to Butch Howard, WB4EKP and had him call the police and Mr. Edge. WA4-DLL drove back to WD4MYS home to get him to pull guard duty at the van until the police could get to the sight, as WA4DLL still had to go pick up his son at school.

So, Mr. Edge was really happy to get his van back and got to meet three hams trying to help.

LETTERS

Dear Andy:

I did not realize that SKIP carried so much antenna "information" until I came to the Army MARS column in the Sept. issue! Bill and Chuck whom I have known for a long time must have been misquoted. For the last 50 years the commercial and government transmitters that I have known of used antenna coupling networks with no apparent loss.

The present day transmitters with a 50 ohm unbalanced output, the best way is to provide a 50 ohm unbalanced connection from the antenna with a network and/or balun. Then all that is necessary is a 50 ohm coax transmission line to connect them together. I have a high Q (25KC 2:1 SWR bandwidth) low loss experimental antenna with no known interference limiting characteristic!

With the commonly used ham band receivers more the state-of-the-manufacture rather than the state-of-the-art, it takes more than a little antenna selectivity to clean up the channel in use.

73,
Wayne W. Cooper, AG4R
Miami Shores, FL

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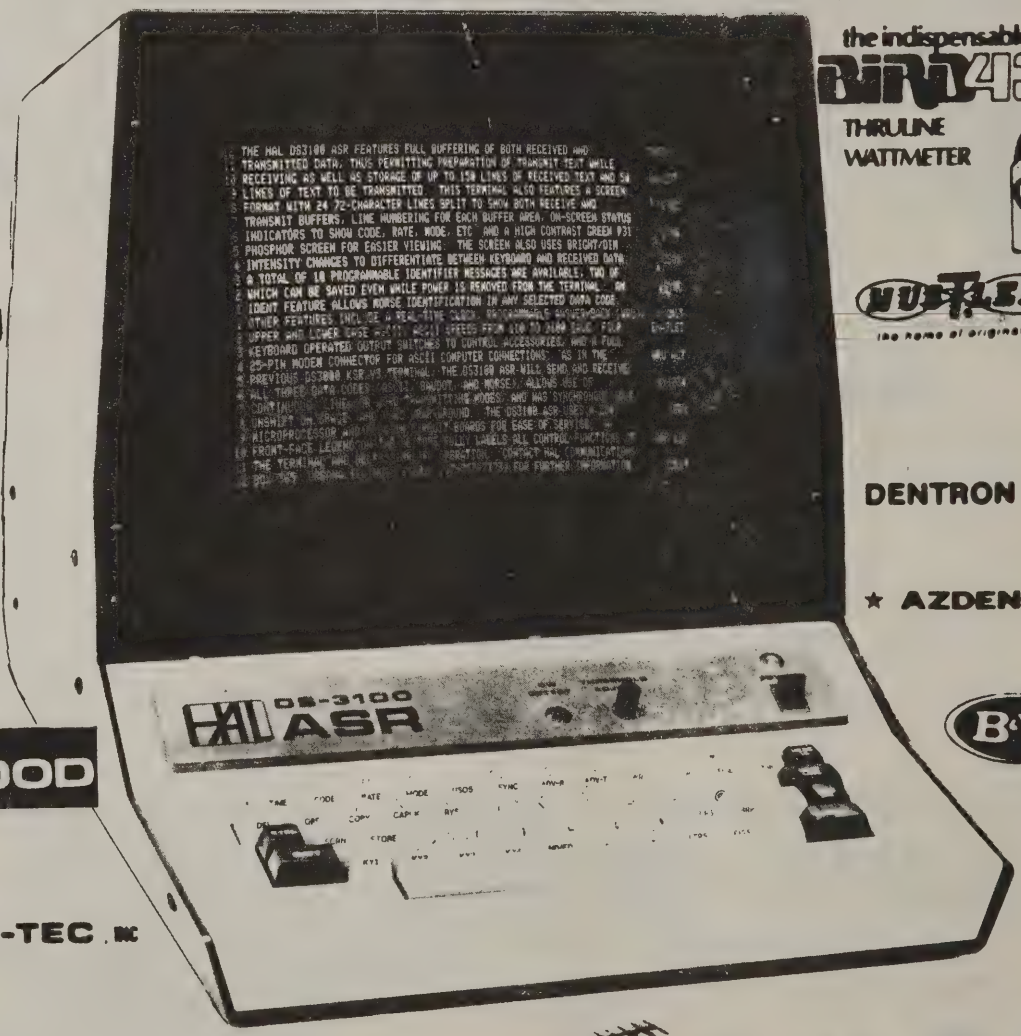

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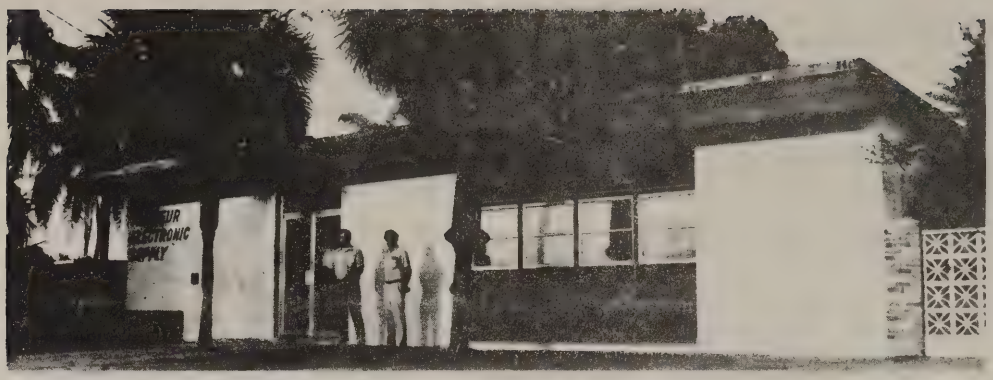

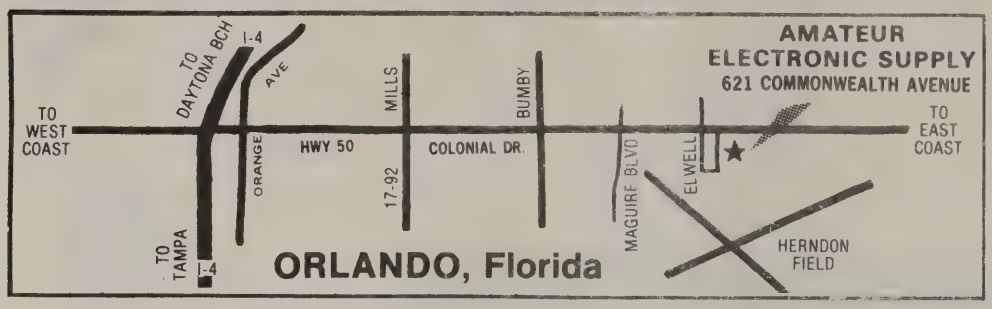

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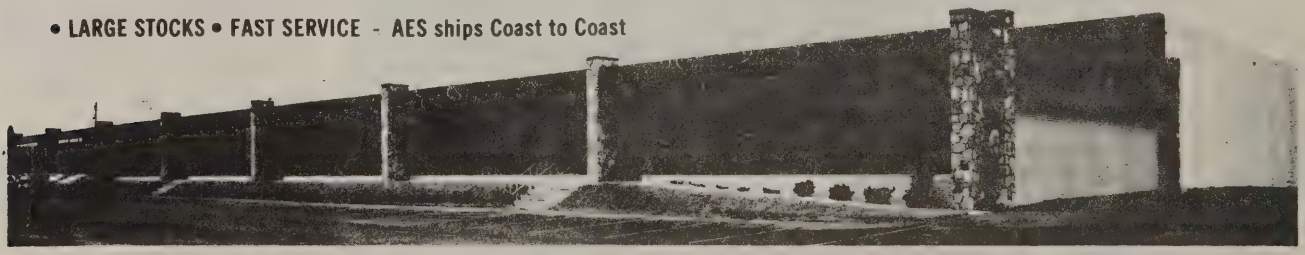

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NEED empty cardboard sleeves from teletype paper holes. Size inside dia. 1" X 8 1/2" long. Will pay five cents each for same. Don McKenzie WA4-ZRX, 5860 - 46th Ave., North, St. Petersburg, FL 33709 813 544-2629.

IF A MAN THINKS FOR ONE MINUTE HE UNDERSTANDS WOMEN, HE HAS IT TIMED ABOUT RIGHT. Salada Tag Lines . . . .

SELL: Johnson Matchbox antenna tuner $55. Model 275W6750 PEP. Like new with instruction manual and original packing box. Theron Wheelock W4DYZ, 12 W. 39 Place, Hialeah, FL 33012 305 822-5816.

FOR SALE: KENWOOD TS-520 with built in ac/dc supplies, mint condx $525. Bill Hauser WA4ZSB, 2435 Alexander Dr., Titusville, FL 32780 305 267-4089.

SELL: Heath SB-100 transceiver, HP-23 powersupply $275. Heath HA-14 compact linear 1000 wat PEP. HP-24 power supply $275. Manuals for both. Original owner. Bill Golding K4GGF, 26 B El-Red Dr., Tavares. FL 32778 904 343-3088.

FOR SALE: DRAKE R/7 D/7, serial 2841, built 6/23/81, all filters, noise blanker, manual, cartons $1,300. $435. below replacement, or make offer. Bill LaFlame (no call given) 1420 - 2nd Ave. W., Brooksville, FL 33512 904 596-3650.

VHF EQUIPMENT: ICOM 260 two meter FM/CW/SSB synthesized 10 watts, mint with manual $350. Ten element "Oscar Twist" 2 meter antenna by Cushcraft $20. "Big Wheel" 2 meter omni-directional $10. Sixteen channel programmable aircraft band scanner, excellent, with manual $170. Frank Merceret WB4BBH, 12801 SW 148th St. Road, Miami, FL 33186 305 252-2057.

MOST OF THE SHADOWS OF THIS LIFE ARE CAUSED BY STANDING IN ONE'S OWN SUNSHINE. . . . KA4BJE . . .

SELL: MFJ 410 professor morse code generator keyer with 110v.a.c. adaptor, meter read-out 5-50 WPM. Complete, mint condition. $75. Plus postage. Bencher paddle black, mint $28. plus postage. J. B. Dasautels K4VGD, 616 N. Silver Cir., Key Largo, FL 33037 305 852-2109.

SELL: Yaesu FT-101E with c.w. filter and fan. $450. FRG-7000 general coverage receiver absultely new condx $500. Jeff Preston N4NJ, 9426 So. 102 Place, Boynton Beach, FL 33437 305 736-0998 or 737-3900 work.

FOR SALE: 12 volt rechargeable battery pack. mod no. BRR-12 with built-in charger. Up to 500 recharges. Sealed nicads $5.00 plus $1.25 packing and postage. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FREE HURRICANE MAPS 11X17 inches, excellent for tracking hurricanes - God forbid. Also have newest FCC 610's. Please send business size (no. 10") S.A.S.E. to FLORIDA SKIP, Box 501, Miami Springs, FL 33166.

NOTICE: PLEASE DO NOT call Ye Editors home about Hambars. If a HAMBAR appears in this column WITHOUT a telephone number, don't call us and ask for it. WE DON'T HAVE IT! SOooo please, give your name, call sign, mailing address, ZIP, area code and phone number in your HAMBARs. Make it easy for people to reach you to buy your equipment. Many thanks!!

FOR SALE: SWAN HF700S with the 8950 finals installed $400. 117 XC power supply and speaker $99. Swan VX2 VOX unit $30. Heath HD-15 Phone patch $15. Electro Voice mike mod 638 $25. Pick up , you ship. Package deal only $525. Ski Karpinski WB4AOG, 1312 - 13th St. Zephyrhills, FL 33599 813 782-6426. evenings.

ESTATE SALE WD4CVY: Yaesau FT-101 $250. Kenwood TR-2400 HT $275. Kenwood ST-1 base stand, charger for TR2400 $40. D-104 mike $20. ACCU-Keyer $20. Heathkit SB-630 control console W/phone patch $35.00 SWAN SWR-1 power and SWR meter $10. 7 position coax switch $5.00. Chrome plated Vibroplex bug $25. Home brew dummy load $10. Ampex 2100 tape recorder, make offer. All manuals for above gear. All clean.Also many misc items. Mrs. Samuel Brower, 1833 Monroe St. Hollywood, FL 33020 305 927-8688.

THE IDEAL COMMITTEE CONSISTS OF SIX PEOPLE WHO DON'T HAVE THE TIME, AND ONE PERSON WHO LIKES TO RUN THINGS HIS WAY. From K1GGP .... ..

W A 4 S C K Estate sale: SB-401 TX $125. SB-400 TX $100. SB-300 Rcvr $90. NCX-5 transceiver $175. 21 foot four "J" element collinear 2 meter antenna $25. All working at time of his death. Also many items of test gear such as Heath Scope, signal tracer, etc. Pick-up only. Harry Nye W8EZZ/4, 1345 - 37th Ave., Vero Beach, FL 32960 562-4847.

FOR SALE: Here is real bargin. Two 3-500Z Eimac tubes at $50.00 each. Grid pins 2, 3 and 4 do not connect internally, but when connected externally, each like new. Quoting from Varian/Division of Eimac: "As far as operation is concerned, if all grid pins are connected at the socket, having one internal weld open will not effect the operation of the tube." "In answer to your recent letter, please replace just the one defective 3-500Z tube in your equipment. There is absolutely no advantage in replacing both tubes at the same time when only one is actually defective. Also, it is not necessary that the serial numbers or date codes of the tubes match in order to achieve peak effeciency." Quoting from Heath Company: "An alternate would be to make sure pins 2, 3 & 4 are tied together at the socket, even though tube pins are not. This insures proper biasing and drive levels." Will ship. Jos. S. White, 535 - 28th St., West Palm Beach, FL 33407 305 - 832-7056.

TROUBLE WITH SOME PEOPLE WHO GIVE TILL IT HURTS IS THAT THEY ARE SO SENSITIVE TO PAIN. From K1GGP.

FOR SALE: DRAKE T4XB with power supply (two) $300. each. Both very recent factory aligned. Drake R4B $275. Heath VTVM $20. Heath RF generator $20. 28TTY with typeing reperf $175. Atlantic Research TTY test panel $50. Hustler mobile antenna - two masts 20, 40 and 80 meter resonators $50. Two meter progress line 12 V transmitter-receiver $30. 10-15-20 meter beam $40. D. W. Harris K4RH, 5435 - 70th Way N. St. Petersburg, FL 33709 813 544-4849

REPEATER MAP: FLORIDA SKIP map editor, Bill Tucker W4FXE, completed a 11 X 17 inch 2-meter map. Edition Two. I shows all repeaters boxed in along side of the city. Easy to read. We have sold hundreds of these. It appeared in center-spread 2 months ago. Get a copy on nice paper for only .25 cents each plus a business size self addressed stamped envelope (SASE) from FLOrida Skip, P. O. Box 501, Miami Springs, FL 33166

FOR SALE: Best large-screen TV system on market – "Kloss Nova Beam" with 6 1/2 ft. screen $1995. Panasonic PV-1500 VHS 1-week programmable video cassette recorder $585. Heathkit SB-101 xcvr with power supply & astatic D-104 PPTT mike $275. MFJ No. 484 grand master memory keyer & Bencher iambic paddle both for $150. Kenwood AT-200 antenna tuner $100. Datong model FL-1 frequency agile audio filter $150. Hallicrafters PC-210F 5W xcvr with TT pad & charger $50. Heathkit HW-22 40M SSB xcvr $75. Commercial grade Gottlieb & Co. Pinball machine $250. Archer cordless soldering iron with charger $10. BSR System X-10 command modules $25. Magnavox Odyssey TV game with 2 carts $110. All like new condition. Rodger Skinner K4BKK, 4117 Van Buren St. Hollywood, FL 33021 days 305 981-8480 evenings 981-2559.

FOR SALE: Hallicrafters SX-117 and HT-44 SSB/CW combo with power supply and manuals, good condition $200. You pick up. Ed Schaefer K4SS, 433 Broadway Dunedin, FL 33528 813 734-5596.

FOR SALE: Heathkit H-8 computer with 16K memory, serial and parallel IO boards, H-9 Video terminal, cassette recorder. All excellent and working condition. All manuals, schematics, programs, cables. $500.00.... Tibor Volenter WA2CDD, 625 Hancock St., Lakeland, FL 33803 813 - 683-5658.

WANTED: 240 R.P.M. type GA electric motor. 40 R.P.M. motor and 20 R.P.M. James H. Young K4TGC, 4821 - 26th Ave. North, St. Petersburg, FL 33713.

SELL: Heathkit Marauder HX-10 with crystal socket and VXO kit to rubber crystal on frequency, mike and manual in excellent shape. $125. Don McKenzie WA4ZRX, 5860 - 46th Ave. N., St. Petersburg, FL 33709 813 544-2729.

FOR SALE: Heathkit SB-301 receiver with pre-amp, AM & CW filters. SB-401 transmitter with mike and spare finals. Vibroplex, cantenna, phone patch and SWR meter. All manuals & cables $375. Charles Godfrey WB4FRO, 3614 Dron Bay, Baynton Beach, FL 33436 305 734-5127.

SELL: KENWOOD TS-820S with filter just like new, very few hours with orignal cartons and hand mike $695. Don McKenzie WA4ZRX, 5860 - 46th Ave. No., St. Petersburg, FL 33709 813 544-2629.

FOR SALE: Drake T-4XC, R4C, AC4, MS-4 $800. Yaesu FT-101 $360. All in excellent condition. Henry Lathrop WB4GCK, 51 Catherine Ave., Gibson Park, FL 33827 813 638-2379.

PCS-3000 AZDEN TOUCHTONE KIT INFORMATION

(1) For **$25.00** we will assemble your kit and install it in the back of your mike. READY TO USE. Send us your mike and TT kit **only** and $25.00.

(2) For **$8.00** we will prepare the back of your mike to accept the Touchtone Pad including moving the mike hanger. Send us the back of your mike **only** and $8.00.

(3) For **$12.50** we will install the TT Pad in the back of your mike. Send us the back of your mike and TT Pad **only** and $12.50.

(4) For **$12.50** we will assemble **your** TT kit. Send us TT kit **only** and $12.50.

ALL WORK RETURNED NEXT DAY VIA FIRST CLASS MAIL

from NPS

N. P. S., Inc.
1138 Boxwood Road.
Jenkintown, PA 19046

(215)884-6010

A 24 HR. ANSWER'G MACHINE

I. R. S. LAW: THE WEEK SHALL INHERIT THE EARTH, MINUS, OF COURSE, 80% INHERITANCE TAXES.

FOR SALE: COLLINS KWM2 mobile mount and d.c. supply 516E1 with cables and connectors mounted on mount $60. Collins 75A1 - 2 - 3 - 4 speaker$15.00. Both plus UPS. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874.

MUST SELL: KENWOOD TS120S, virtually un-used. Original box/manual mobile mount (new). I P.P. shipping $375. Peter Dillon AA4PD, P. O. Box 338, Melbourne Beach, FL 32951-0338 305 729-0610 nights.

SELL: RCA series 700 CMCL4MMAQA business band, all solid state 30 watt mobile unit. Trunk mount, VHF 132-174 MHz complete including 3dB antenna $380. Via UPS. Hank Bach WA4PHQ, Rt. 1 Box 453, Williston, FL 32696 904 528-4488.

FOR SALE: 3 section 50 ft E-Z Way crank down, crank-over tower. Plus ground post, Ham M rotor, 10 ft mast, 75 ft. 8 conductor cable $525. Ross Akre, W4ZZZ, 6121 S.W. 82 Ave., Miami, FL 33143 305 271-9292.

FOR SALE: YAESU FT-7B, 100 W PEP transceiver with SP-12 power supply speaker in brand new condition $550. I. Rodriguez WB4LAP, 3321 Palmetto St., Tampa, FL 813 877-1226 after 6 p.m.

MURPHY'S LAW: WHEN THINGS SEEM TO GO WELL, OBVISOUSLY YOU HAVE OVERLOOKED SOMETHING.

FOR SALE: Collins 75S3 winged s/n 12373, 32S3 round s/n 30557 both perfect. 516F2 - solid state $875. package deal. TS-520 with c.w. filter built in, 12 v. and 115 v.a.c. suplies, like new $475. DX Eng. processor for Collins $50. Hal-1550 keyer with manual, les key $40. Bill Greeson K4RD, 1500 E. Terra Mar Dr., Pompano Beach, FL 33062 305 943-0229.

FOR SALE: YAESU FT-101E SSB transceiver with SP-101PB phone patch, speaker, all in brand new condition $600. I Rodriguez, WB4LAP, 3321 Palmetto St., Tampa, FL 33607.

LIQUADATING COLLECTION of antique radio sets, tubes, books and magazines. Send SASE for list. WANTED: Technical material Corp. Linear amplifier model PAL-350(A). Uses 2 4CX250 tubes. H E L P ! ! Fred Ritter W4FI, 930 First Place, Longwood, FL 32750 305 339-5729.

FOR SALE: MICROLOG AVR-2 and monitor 12" new $500. FIRM ! ! Jose Sabina KI4 R 138 NE 49 St., Miami, FL 33137 305 759-2907.

FOR SALE: Heathkit HW-16 CW transceiver in excellent condition $80. Galaxy V Mk 2, ssb/CW transceiver $125. Will ship. Charles Engelke KC4L 3309-B SW 26 Terr., Gainesville, FL 32608 904 377-5406.

MAC GREGOR'S LAW: The first one to see a traffic light turn green is the second car back. From K1GGP.

FOR SALE: Heathkit SB-303 receiver with AM & CW filters, SB-401 transmitter with crystals, mike and spare finals, SB-650 digital display and SB-600 speaker $495. SB-620 Ham Scan with new spare CRT $125.00. SB-630 station console $95. Station now on air, will demo. All manuals and cables. Ken Lenz WA4ABR, 3240 NW 63 St., Ft. Lauderdale, FL 33309 305 974-5076.

SEEE: 220 MHz Regency Xcvr, 10 W, one pair xtals, calling freq. New & tested OK. Warranty card, original cost $229. Make insulting offer. Drake T4X xmtr and Drake 4B receiver, make offer, Drake R-7 rcvr, new with warranty card, big discount price (Aux-7, IC's, extra filters) New ICOM 720-A Xcvr, warranty card, 20- amp supply, big discount. K4GT, Frank Shannon, 140 Bosphorus, Ave., Tampa, FL 33606 813 251-5386.

SELL: KENWOOD TS-120S with mike, 20A power supply, cushcraft ATV-5 $625. Panasonic RF-4800 shortwave receiver $275. Luis Gulisano KC4BT, 402 - 14th St., Miami Beach, FL 33139 305 532-1319 or 305 - 261 -0775.

SELL: DRAKE TR7/DR-7, PS7, MS7, WH-7, SL-1800, WARC-7, mint condition, sale price over $1,800.00 First $1,495. Jim Stardafer, 2565 N. Atlantic Ave. Daytona Beach, FL 32018 904 252-6467.

FINAGLES LAW: ONCE A JOB IS FOULED UP, ANYTHING DONE TO IMPROVE IT, ONLY MAKES IT WORSE. via K1GGP.... ..

SALE: KENWOOD TS820-S with c.w. fitter installed plus AUTEX QF1A SSB/CW external filter $795. Luis Gulisano KC4BT, 926 SW 65 Ave., Miami, FL 33144 305 261-0775 or 532-1319.

CURTIS MORSE keyboard KB-4200 with memory KM-420 $225 DGM morse video disPlay with demodulator $150. Hal Biederwolf K4HSV, CCC Box 183, Wildwood, FL 32785 904 478-0255.

FREE FLEE. . . Oct. 17th (saturday) at Motorola Parking lot (North end) with entrance on West Sunrise Blvd as before. The parking spaces are unreserved and first come first choice. Out of trunk or table set-ups. Lot open from 8 a.m. until all goodies are gone. Come early. Bring lunch and drinks and - just in case - plastic to cover equipment in case of lil shower. 73 Cy, W4MAQ.

SELL: BRAND NEW, STILL in box Mallory Door electronic sentry. New battery powered intrusion alarm -- that detects intruders before the intrusion occurs. Instant portable protection for motel, hotel or any room in your home. Anyone touching outside door knob will sound the alarm. Simple installation. Simple instruction included only $15.95. A. C. Clark W4IYT 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: TR-4c, recent factory checked, AC-4, DC-4, MS-4, MC-4, excellent shape, sell as a package only. 3kW antenna tuner, rotary inductor, meter and gear reduction condenser tuning. 18Ht Hy-Gain High Tower, all band antenna, vertical. 203BA mono-bander. Heathkit model IB-1103 frequency counter, 9 digit readout, calibration excellent. Lyle Shaw KC4-LF, 6329 Fairway Blvd., Apollo Beach, FL 33570 813 645-6839.

FOR SALE: Phelps Dodge Super Station Master fiberglass collinear two meter base antenna model PD-220 with mounting brackets and an additional 20 ft. mounting mast galvanized steel for additional height (if desired) total package valued at over $350. Super antenna for repeater use or long distant operation. This is a commercial antenna with lightning arrester built in. Price for this package is only $225. RF power Labs V-180, 250 watt two meter power amplifier with cooling fans rated continous duty for repeater use of DX base operation only $495. complete. Baarcat 210 scanner with original box and accessories for only $160. Call Howard Reiziss WB4DXX, 305 596-6970 or 7221 SW 130 Ave., Miami, FL 33183.

FOR SALE: KENWOOD R599A, T599A, S599A, cables, operation and service manuals, original cartons, mint $500. Collins R388/51J3 general coverage receiver in cabinet with manual, excellent $250. Heath SB-220 linear, excellent $500. RME DB-23 preselector $25. B&W 551A coax switch $5.00. Jim Gordon W4PTJ, 1561 Carroll St., Clearwater, FL 33515 813 441-9532.

YOU'RE MIDDLE AGED WHEN, AFTER PAINTING THE TOWN RED, YOU NEED A REST BEFORE APPLYING THE SECOND COAT. K1GGP.

WANT: TEMPO ONE ac power supply. Will sell or trade viking II $75.00. Hallicrafter HT-32 $100. Hallicrafter SX-117, HT-44 with PS 150-120 $300. Edwin S. Worden AA4AS, P. O. Box 1241, Mount Dora, FL 32757 904 383-3472.

STOLEN EQUIPMENT' ATLAS 210X (serial No. TH 3701) Shure 404 mike and homebrew rack. Rack has mike jack plus rack mount for FT-227-B. Top of Atlas has plastic placque engraved as follows: "Presented to Evelyn Gauzens W4WYR for dedicated service to the Tropical Hamboree January 24, 1976....Dade Radio Club." If placque has been removed top of Atlas will show damage. Equipment and racks were torn out of vehicle parked in Walt Disney World Village lot at Lake Buena Vista on Aug. 28th. Orange County Sheriff Dept. case No. 81-105086. If located contact Orange County Sheriff's Dept. or Evelyn Gauzens W4WYR, 2780 NW 3 St., Miami, FL 33125 305 642-4139.

SELL: DRAKE TR4/NB $290. T4X $225. R4B $225. AC-4 $65. DC-4 $65. MS-4 $15. Hustler mobile antenna 40/20/10 meter $35. Jim Gasque N4SF, 1104 SE 5th Ct., Deerfield Beach, FL 305 427-5092.

FOR SALE: SB-200 $300. TS-820 & VFO-120, includes CW filter, DC choppers, built in MFJ CWF-2 filter and Curtis keyer, $825. Bob Patten N4BP, 2311 Nassau Dr., Miramar, FL 33023 305 981-2732.

SELL/TRADE: YAESU FTDX570 transceiver 80-10 mtrs with 10 MHz, and two aux. positions for WARC -- 560 watt PEP, noise blanker, cooling fan, CW filter -- 600 Hz, matching VFO FV-401, receiver is super sensitive .1Uv for 10DG SN+N, 1.6:1 shape factor, and very stable, less than 100 Hz drift in any 30 minutes. This equipment is mint, super clean, plastic still on front panels, all manuals $450. You pay shipping. Heath HD-15 patch $30. HAL DS-2000KSR $395. MR-2000 $120. ST-5000 200 package $700. Dentron 3kW tuner MT-3000A, mint, manual and box $250. List $450. Rob Pohorence N8RT, 364 Kilpatrich Ave., Port St. Lucie, FL 33452 305 878-7296.

SELL: TEMPO 2020, good condition, must sell, nice low band rig only $450. Al Jones K4LEE, 17221 NW 53 Ct., Opa Locka, FL 33054 call after 1600 305 624-8119.

FOR SALE: Heath HW-101 transceiver, HP23B power supply, c.w. filter, housed spkr, mint, factory aligned. Demonstrateable. $295. B. Frank N4CWD, 8206 N.W. 93rd Ave., Tamarac, FL 33321 305 722-5949.

ATTENTION ICOM & KENWOOD OWNERS ! ! If your not receiving our monthly NEWSLETTERS, your equipment is not tuned into a wealth of information! Details, S.A.S.E. USERS INTERNATIONAL RADIO CLUB, 364 Kilpatrick Ave., Port St. Lucie, FL 33452.

FOR SALE: National NCX-5 transceiver 10-80 meters with power supply $175. HW-7 Heathkit $30. Dan Daddio KA4JMH, 7330 Miramar Pky, Miramar, FL 33023 305 983-4334.

TOWER FOR SALE: Wilson TT-45 with rotating base (rotor mounted at the base) and electric winch for rasing and lowering. New cost over $700. You pick-up for $475. Len Klein WB4YJG, 11105 Whispering Pines Lane, Boca Raton, FL 33433 305 483-4462 evenings or 591-5429 days.

SMALL OPPORTUNITIES ARE OFTEN THE BEGINNING OF GREAT ENTERPRISES. . .

FOR SALE: KENWOOD TS-520 $450. Mosley TA-33 beam $50. Miscellaneous equipment. Brian Ross WB4AFE, 4410 SW 73 Terr., Davie, FL 33314 305 475-8041.

FOR SALE: Heathkit IO-4550 10 MHz dual trace scope, factory calibrated $400. IG-1271 function generator $100. Both with complete manuals. Don Maclean N4CUS, 19211 West Oakmont Dr., Miami, FL 33015 305 822 - 0296.

SELL: DENTRON Linear 1200 with power supply. Heathkit HM-102 SWR bridge, make offers. Leon Aboud W4TNJ, 3011 Tampa St., Tampa, FL 33603 813 226-0219.

FOR SALE: Wilson 1402 HT with speaker-mike, nicads, charger, NPS 5/8 Wave antenna, rubber duck, Holster, manual, etc. Can be crystallized on 6 channels of your choice $100. Call Or Write Keith Street G3DKS/W4, 1399 Freeport Dr., Deltona, FL 32725 305 574-2414.

NOTE TO HAMBAR USERS: It's time to remind HAMBAR users to always give a PRICE on your items. We are informed very strongly that BUYERS out of town will not make a long distance call to find out a price on an item advertised in the HAMBAR section. As mentioned many times before -- make it EASY on the person wanting to BUY YOUR equipment. Always give NAME — CALL SIGN — MAILING ADDRESS — ZIP and AREA AND PHONE NUMBER. Thank you - Editor.

IF YOU MUST STRIKE A MAN FROM BEHIND, PAT HIM ON THE BACK.

SELL: Clegg 22'er, like new $80. Bill Ambrose W4QV, 16 Desoto Park, Sebring, FL 33870.

WANTED: VFO101 for Yaesu 101E. Russ Yoder KA4KXW, 695 Reed Rd. Smyrna, GA 30080 (H) 404 432-1803 (O) 404 355-3810, call collect.

FOR SALE: DRAKE L7 2 kW amplifier, 18 months old, used max of 10 hrs. Prefer pick-up $895. FOB. Hugh Coachman, Jr. WA4LIS, Box 2345 Lakeland, FL 33803 813 644-2414.

SUCCESS DOES NOT DEPEND SO MUCH UPON EXTERNAL HELP AS UPON SELF-RELIANCE.

SALE: Brand new power Xfmr, 117 VAC pri. and 1680 VCT 600 Ma. out $10. plus UPS. 115/220 VAC pri. 470 VCT, 200 Ma., 5V at 4A, and 6.3A at 6.7A $8.00 plus UPS. 115/220 VAC pri. 6.5 VAC at 12A $6. plus UPS. All brand new in box. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

SELL: ICOM 255A, 2 meter transceiver, less than 1 year old $259. FOB. Hugh Coachman Jr., WA4LIS, Box 2345, Lakeland, FL 33803 813 644-2414.

SELL: SWAN 700CX SS-166 special with P.S. and extra finals, like new! $400. with manual. WANT: All-band Kenwood 1000, FRG-7700, etc. Will consider swap! Or video recorder. Gerrall L. Gallnitz W4OIA, 929 Crabtree Lane., Port Richey, FL 33568 847-5435.

FOR SALE: Learn MPUs. Heathkit ET-3400, 6800 based microprocessor trainer assembled, like new, with complete course material and extra parts $350 value for $220. Mike Janinski WA2QBH/4, 2921 SW 38th Ct. No. 1, Miami, FL 33134 home 305 446-7635 ofc. 591-9433.

WANTED: 2-meter hand-held. Crystal controlled. Preferrable 2 watts. Must use AA batteries and be reasonably priced. Don Williamson K4HVI, 13001 Old Cutler Road, Miami, FL 33156 305 667-2375.

SELL: 6146's $5. each plus UPS. A. C. Clark W4IYT, 41 Lenape Drive, Miami Springs, FL 33166 305 888-3874.

FOR SALE: ICOM 255A with scan resume & touchtone mike $265. Yaesu CPU-2500RK with touchtone mike $300. Regency HR2A, $75. Heathkit 400 Hz c.w. filter for HW-SSB101 $25. All good condition. Terms cash plus shipping. Al West W4SDC, 10550 Hazel St., Largo, FL 33540 813-393-0412.

FOR SALE: KWM-2, 516F-2, DX-Eng. Speech processor, Waters Notch Filter, D-104 $650. R4B, T4XB, MS-4, AC-4, D-104, $650. Dave Propper WB2PMP/4, 8901 NW 24 Ct., Sunrise, FL 33322 305 741-8546.

UNTOLD WEALTH IS WHAT GETS YOU IN TROUBLE WITH THE TAX PEOPLE. From K1GGP.

SELL: YAESU FT-301S, Hallicrafters HA-2 2 meter transverter $400.00. Ed Purvis WA4NJY, 808 - 45 St. W., Bradenton, FL 33529 813 746-1642.

WANTED: Looking for Fla. Keys amateurs interested in establishing a three or four session per week evening VHF Net to provide an outlet for traffic in your area. Contact Bill Whitaker WD4JKM, 13360 SW 50 St., Miami, FL 33175 305 592-7184 or 223-5782 or Miami repeaters 16/76 40/00.

SELL: ETO Alpha 77DX $3995. Tempo 2020 with Ext. VFO $500. Atlas 350XL, Ext. pwr suply, speaker $800. Amrco preamp $25. Heath HW-16 $75. Heath freq counter 50.00 P] tp-8000 counter $100. KLM 10-70 amp $75. KLM 10-160 amp $123. Autek Research QF-1 filter $25. Sigma AF-251LW AM/FM analyzer. Lafayette TE-20 signal $25. Bird wattmeter model 43 have two each $65. ICOM-230 2 meter transceiver $100. NPC 25 amp 12 v. supply $75. SEI 20 amp 12 v.d.c. $75. AWE 6 amp. 12 vdc $25. Heathkit IT-28 $25. Tempo ST HT $175. Midland 13-520 $50. SEEC slow scan station with keyboard $600. RTTY model 28, many many extras worth $6K, take all $1000. SWTPC computer $500. Lyle Letteer K4CLS, 8775 SW 125 Terr., Miami, FL 33176 305 251-2950.

A MAN'S FEET SHOULD BE PLANTED IN THIS COUNTRY. BUT HIS EYES SHOULD SURVEY THE WORLD..... KA4BJE

SELL: SWAN 250 - 6 meters with power supply in cabinet in good condx with hand mike and manual $200. Don McKenzie WA4ZRX, 5860 - 46th Ave. North, St. Petersburg, FL 33709 813 544-2629.

FOR SALE: Dudley Gray signal generator 101D. Has 250-500, 2.5 to 5.0, 10Mhz to 20 Mhz plus 100-150 MHz. HF & VHF. RF modulation and cuarrier outputs with 2 meters, manual $28. Altec 529A power supply 16-20 VDC adjustable, 2 amp, meter, on 3 inch std 19" panel. Beautiful $20. VARIAC type W-5-MT by General Radio Co., 115 VAC in to 0 - 135 VAC at 5 amps out. $25. Heath tw0-way hi-fi speaker enclouser $10.)perfer pick-up on speaker) All plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: Collins 32S3 transmitter. Hasn't been on air for a couple of years. May need minor work. But looks very clean and in and outside. Steal it for $200. or take trade for an IC-22 or DG-5, or IC2A or ? ? ? WANTED: Cantenna, 2 meter vertical beams, old QSTs. Sebastian Acosta KA4FAU, 5181 NW 4th Terr., Miami, FL 33126 305 446-4929 evenings.

where some 15 other hopefuls were already busily writing.
When I asked directions to the bathroom the officer in charge told me "No one leaves before the test is over!" (She did relent. But later she refused to let another guy out.) She asked to see my calculator. I had just bought the thing and had typed up a small instruction sheet, to remind me how to compute logarithms, etc. 'Leave that paper with me," she said.

The exam questions shook me. Boolean algebra. Active audio filters, using op-amps. The very first question (products of two impedances, R1 + X1 and R2 + X2) called for use of J-Operator . . . strictly E.E. stuff, not the Ham radio I'd grown up with. To make matters worse, my new calculator acted up! And a chap seated right behind me was sniffling loudly, with a rotten cold. (I can catch another's flu germs 100 feet away!)

I was sweating when I finished the test and was told to take a seat, to await the verdict. I fidgeted until finally the lady crooked a finger at me. I had made it! How many had I missed? "We don't provide that information." Could I get one of those fancy Extra licenses? Nope. I'd have to contact Washington for that. Oh, well; I'd made it. That's all that mattered.

I'd managed to go the Extra mile.

(Ft. Myers - "MODULATOR".)

NEW AMATEUR CLASS ? ? ?

The FCC is on the verge of issuing a Notice of Proposed Rule-making regarding the EXPERIMENTER CLASS LICENSE. It will carry full priviliges above 50 MHz, and the test will be the same written exam as the Amateur Extra Class. No code exam, though (From BARC Bulletin.)

A.M. IS ALIVE AND WELL IN SOUTH FLORIDA

By Hal Palmer, K4ZCY, Miami

For 26 years the Flamingo Net has conducted Transmitter Hunts on 29.044 MHZ. The AM mode is used to insure a steady carrier of "non varying strength" to enable hunters to zero in on the location using simple, (and not so simple) equipment. AM is used so that anyone with uncomplicated equipment can join in the hunt. A receiver with an "S" meter and a whip antenna on the car has won first place many times. Most of the equipment in use is converted CB rigs and older AM transceivers.

Anyone interested in joining the operation can call in on 29.044 MHZ SSB any Friday evening at 7:30 p.m. and receive a Flamingo welcome. The object of the hunt, is to provide a gather of interested hams to rag chew and swap ideas and join in the good cheer and refreshments at the end of the hunt. It provides fierce competition for first place using home-brew antennas, etc., and gives us a tool to use against willful interference. If you ever had an interest along these lines come and join the Flamingo Net. 73.

U.S. AIR FORCE (State Wide)

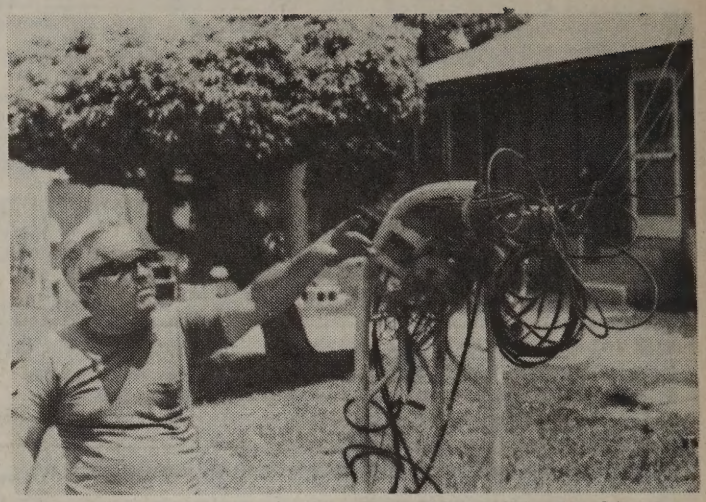
By George Hamilton, Jr., KA4ARZ/AFA2NV

The MARS C.W. Training Net is proceeding fine and the NCS is to be complimented on the first program and excellent presentation. If you are interested it is on Saturday, Sunday, Monday and Tuesday evenings at 2345 to 2400 hours on 4581.5 Khz. The speed starts at 5 wpm and is gradually increased each week. If you want to upgrade this is a fine way to do it.

Headquarters staff is now at two men and the work load is overwhelming, so please be patient and work with them. It seems as if the trouble MARS program is suffering is because of budget cuts. This also applies to the job of SMD in Region 2 where the ASMD is on a six month leave and the entire burden is on the shoulders of AFF2SL who is doing an outstanding job. Be patient he will answer your requests, but please remember we are all volunteers and many have full time jobs.

Do not forget the ARRL National Convention in Orlando March 15-16. We will be there and hope we can recruit more MARS people. When you support MARS you support your national defense structure.

The demise of the MARS Newsletter has hurt the entire PAC program and we feel it should be looked into, perhaps some new blood on the regional level would help.



Chuck, WA4CGQ of Key West shows what happened to his tower after a storm visited him last year. All towers are back up now. Chuck can hit any 2-meter repeater in South Florida - almost.

AMATEURS GIVE POLICE A HAND

Amateurs serving as police "eyes and ears" in the Los Angeles Police Department project found themselves providing needed communications in a kidnapping/shooting incident. The volunteer program, operating just over a month, puts Amateurs with hand-helds at vantage points in likely crime areas. They report suspicious activities to others riding in prowl cars for follow-up. Thus far they've broken up one attempted rape and reported several possible car break-ins. Amateurs interested in the program can contact W6ORD or N6ZH' (From HR REPORT....)

MARTIN COUNTY PICNIC

Any and all Ham Radio operators and their XYL's are invited to join together for a picnic October 18, 1981. The Martin County Amateur Radio group will host the affair. For details call - - W4OST at 286-0500, Debbie at 334-6000, W2BXB at 878-8866 or K4LZN at 546-4793. All come - hear . . . . . .

ATTENTION: KEYS AMATEURS

Looking for Fla. Keys amateurs interested in establishing a three to four session per week evening VHF Net to provide an outlet for traffic in your area. Contact Bill Whitaker, WD4JKM, 13360 S.W. 50th Street, Miami, FL 33175, (305) 592-7184 or 223-5782, or Miami Repeaters 16/76 40/00.

THE REVOLUTIONARY NEW ANTENNA BREAKTHROUGH

You have heard of Marconi and Hertz Antenna Theory and Designs, which, are current fed and/or impedence tapped for 50 ohm load. Now for the first time in over a century is a new theory and concept called The Ireland Antenna Theory, U.S. Patent No. 3,474, 453. It consists of a half wave end fed antenna so uniquely designed that it can be field tuned to a perfect match, without earth ground, and no RF loss. It produces a perfect magnetic field one quarter wave length about the voltage feed point with the lowest angle of radiation ever produced.

The Marconi Theory for distance for VHF is square root of 2X height, no longer applies to this invention. We have worked simplex between vehicles (6 ft. in height) with 25 watts over 20 miles in distance. The antenna has a band pass of approximately 10 MHZ and is tunable from 144-148 MHZ, 150-170 MHZ or 450-470 MHZ — without cutting of the antenna. It produces 4-1/2 DB gain, both transmit and receive over a dipole and is only 48 inches in height. We also have base station applications which consists of stacked in phase collinear antennas that produce an E.R.P. (effective raditot power) of 9 DB over a dipole — overall height is approximately 9 feet. It's like adding a 200 watt amplifier to a 25 watt transceiver. One is now being used by Ye Editor, Andy W4IYT, for his base station. Look for our ad in up and coming issue of Florida Skip.

Antennas are exclusively manufactured by Southern Marine Research, 1401 N.W. 89th Court, Miami, FL 33172, Telephone numbers - 591-9433, 591—9434. National (800) 327-6790; Florida (800) 432-7142.